DAIKIN

Warning

- Ask a qualified installer or contractor to install this product. Do not try to install the product by yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Đại lý phân phối:

TRUNG TÂM
DỊCH VỤ KHÁCH HÀNG
18006777
Miễn phí cước cuộc gọi

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DAIKIN

PCSVN1412

ROUND FLOW

SkyAir

AIR CONDITIONING SYSTEM

COOLING ONLY [50Hz]

HEAT PUMP [50Hz]

Super Inverter

INVERTER

R-410A

Daikin meets your needs with this full lineup of inverters for various types of indoor units and power supplies.

CEILING MOUNTED CASSETTE TYPE〈Round Flow〉

COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

CEILING MOUNTED SLIM DUCT TYPE

CEILING MOUNTED BUILT-IN TYPE

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

CEILING SUSPENDED TYPE

FLOOR STANDING TYPE

Product Lineup

Cooling only

SkyAir

Pair

Series	25	35	50	60	71	100	125	140	
CEILING MOUNTED CASSETTE TYPE ROUND FLOW 〈Round Flow〉									Page 9
Indoor unit			NEW FCQ50LUV1V	NEW FCQ60LUV1V	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	
Outdoor unit			RZR50LUV1V	RZR60LUV1V	RZR71LVVM	RZR100LVVM / RZR100LUY1	RZR125LVVM / RZR125LUY1	RZR140LVVM / RZR140LUY1	
COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE									Page 13
Indoor unit	FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B					
Outdoor unit	RKS25AVMG	RKS35AVMG	RKS50AVMG	RKS60AVMG					
CEILING SUSPENDED TYPE									Page 15
Indoor unit		FHQ35BVV1B	NEW FHQ50BVV1V	NEW FHQ60BVV1V	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	NEW FHQ140CAVEB	
Outdoor unit		RKS35AVMG	RZR50LUV1V	RZR60LUV1V	RZR71LVVM	RZR100LVVM / RZR100LUY1	RZR125LVVM / RZR125LUY1	RZR140LVVM	
DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE									Page 19
Indoor unit			NEW FBQ50DV1V	NEW FBQ60DV1V	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	
Outdoor unit			RZR50LUV1V	RZR60LUV1V	RZR71LVVM	RZR100LVVM / RZR100LUY1	RZR125LVVM / RZR125LUY1	RZR140LVVM / RZR140LUY1	
FLOOR STANDING TYPE									Page 21
Indoor unit			NEW FVQ50CVE	NEW FVQ60CVE	FVQ71CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB	
Outdoor unit			RZR50LVVM	RZR60LVVM	RZR71LVVM	RZR100LVVM / RZR100LUY1	RZR125LVVM / RZR125LUY1	RZR140LVVM / RZR140LUY1	

Simultaneous Twin Multi

CEILING MOUNTED CASSETTE TYPE ROUND FLOW 〈Round Flow〉									Page 9
Indoor unit							NEW FCQ60LUV1×2	NEW FCQ71LUV1×2	
Outdoor unit							RZR125LVVM / RZR125LUY1	RZR140LVVM / RZR140LUY1	
CEILING SUSPENDED TYPE									Page 15
Indoor unit							NEW FHQ60BVV1G×2	NEW FHQ71BVV1B×2	
Outdoor unit							RZR125LVVM / RZR125LUY1	RZR140LVVM / RZR140LUY1	
DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE									Page 19
Indoor unit							NEW FBQ60DV1×2	NEW FBQ71DV1×2	
Outdoor unit							RZR125LVVM / RZR125LUY1	RZR140LVVM / RZR140LUY1	
FLOOR STANDING TYPE									Page 21
Indoor unit							NEW FVQ60CVE×2	NEW FVQ71CVEB×2	
Outdoor unit							RZR125LVVM / RZR125LUY1	RZR140LVVM / RZR140LUY1	

OUTDOOR UNIT Super Inverter											Page 23
Outdoor unit			NEW RZR50LUV1V/LVVM	NEW RZR60LUV1V/LVVM		NEW RZR71LVVM	NEW RZR100LVVM	RZR100LUY1	NEW RZR125LVVM	RZR125LUY1	NEW RZR140LVVM	RZR140LUY1

OUTDOOR UNIT INVERTER					
Outdoor unit	RKS25AVMG	RKS35AVMG	RKS50AVMG	RKS60AVMG	

Product Lineup

Heat pump

Sky Air

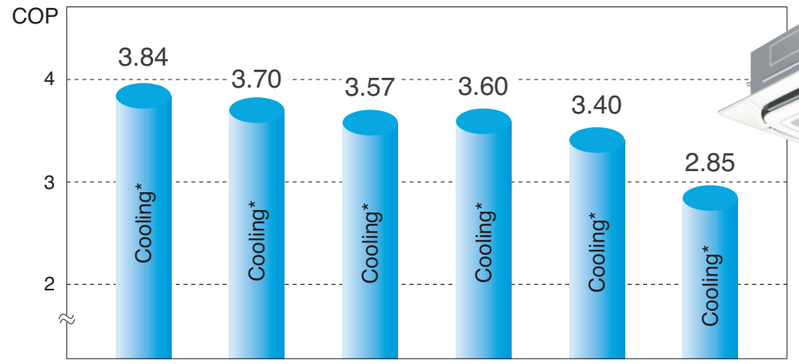
Pair

Series		25	35	50	60	71	100	125	140	
CEILING MOUNTED CASSETTE TYPE ROUND FLOW 〈Round Flow〉	Indoor unit			NEW FCQ50LUV1V	NEW FCQ60LUV1V	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	Page 9
	Outdoor unit			RZQ50KBV1V	RZQ60KBV1V	RZQ71KCV4A	RZQ100KCV4A ⋮ RZQ100HAY4A	RZQ125KCV4A ⋮ RZQ125HAY4A	RZQ140KCV4A ⋮ RZQ140HAY4A	
COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE	Indoor unit	NEW FFQ25BV1B	NEW FFQ35BV1B	NEW FFQ50BV1B	NEW FFQ60BV1B					Page 13
	Outdoor unit	RXS25EBVMA	RXS35EBVMA	RXS50FVMA	RXS60FVMA					
CEILING SUSPENDED TYPE	Indoor unit		NEW FHQ35BVV1B	NEW FHQ50BVV1V	NEW FHQ60BVV1V	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	NEW FHQ140CAVEA	Page 15
	Outdoor unit		RXS35EBVMA	RZQ50KBV1V	RZQ60KBV1V	RZQ71KCV4A	RZQ100KCV4A ⋮ RZQ100HAY4A	RZQ125KCV4A ⋮ RZQ125HAY4A	RZQ140KCV4A ⋮ RZQ140HAY4A	
CEILING MOUNTED SLIM DUCT TYPE	Indoor unit	NEW FDXS25CVMA	NEW FDXS35CVMA	NEW FDXS50CVMA	NEW FDXS60CVMA					Page 17
	Outdoor unit	RXS25EBVMA	RXS35EBVMA	RXS50FAVMA	RXS60FVMA					
CEILING MOUNTED BUILT-IN TYPE	Indoor unit			FBQ50BV1A	FBQ60BV1A	FBQ71BV1A				Page 18
	Outdoor unit			RXS50FAVMA	RXS60FVMA	RXS71FVMA				
DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE	Indoor unit			NEW FBQ50DV1V	NEW FBQ60DV1V	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	Page 19
	Outdoor unit			RZQ50KBV1V	RZQ60KBV1V	RZQ71KCV4A	RZQ100KCV4A ⋮ RZQ100HAY4A	RZQ125KCV4A ⋮ RZQ125HAY4A	RZQ140KCV4A ⋮ RZQ140HAY4A	
FLOOR STANDING TYPE	Indoor unit			NEW FVQ50CVE	NEW FVQ60CVE	FVQ71CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB	Page 21
	Outdoor unit			RZQ50KBV4A	RZQ60KBV4A	RZQ71KCV4A	RZQ100KCV4A ⋮ RZQ100HAY4A	RZQ125KCV4A ⋮ RZQ125HAY4A	RZQ140KCV4A ⋮ RZQ140HAY4A	
OUTDOOR UNIT Super Inverter	Outdoor unit			NEW RZQ50KBV1V/KBV4A	NEW RZQ60KBV1V/KBV4A	RZQ71KCV4A	RZQ100KCV4A	RZQ100HAY4A	RZQ125KCV4A	Page 23
							RZQ125HAY4A	RZQ140KCV4A	RZQ140HAY4A	
OUTDOOR UNIT INVERTER	Outdoor unit	RXS25EBVMA	RXS35EBVMA	RXS50FVMA/FAVMA	RXS60FVMA	RXS71FVMA				

Energy saving

Super Inverter

Achieved higher COP



CEILING MOUNTED CASSETTE TYPE
〈Round Flow〉

Note :
*Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24.0°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

What is COP
(Coefficient of Performance)

COP is equal to capacity (kW) divided by power consumption (kW), and the larger the COP value, the higher the energy efficiency, enabling cooling and heating with less electricity and increasing the energy saving performance.

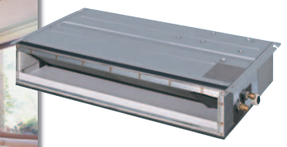
New types of indoor units

Super Inverter INVERTER

NEW

Ceiling suspended type
14.0 kW class

NEW



Ceiling mounted slim duct type
2.5-6.0 kW class

Simultaneous twin multi operation

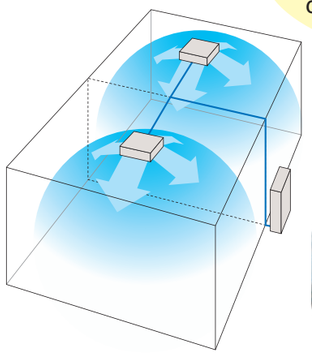
Super Inverter

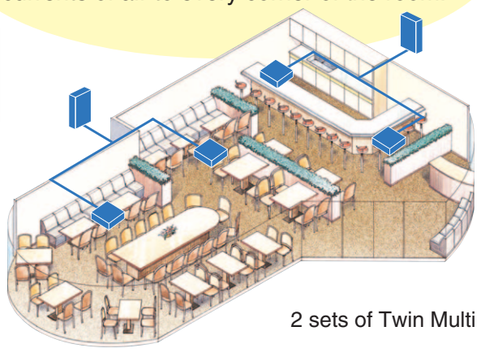
Page 28

Comfortable currents of air are sent to every corner of the room.

For example, four indoor units are judiciously spaced in this wide single-floor restaurant to deliver comfortable currents of air to every corner of the room.

Refrigerant branch piping kit for Twin Multi operation





2 sets of Twin Multi

Wider lineup of inverters

Super Inverter INVERTER

Daikin meets your needs with this full lineup of inverters for various types of indoor units and power supplies.

Total of 104 combinations!

● : Cooling only ● : Heat pump

			25	35	50	60	71	100	125	140
Pair	*COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE*	1 Phase	●●	●●	●●	●●				
	CEILING MOUNTED CASSETTE TYPE 〈Round Flow〉	1 Phase			●●	●●	●●	●●	●●	●●
		3 Phase						●●	●●	●●
	CEILING SUSPENDED TYPE	1 Phase		●●	●●	●●	●●	●●	●●	●●
		3 Phase						●●	●●	●
	CEILING MOUNTED SLIM DUCT TYPE	1 Phase	●	●	●	●				
	CEILING MOUNTED BUILT-IN TYPE	1 Phase			●	●	●			
	DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE	1 Phase			●●	●●	●●	●●	●●	●●
		3 Phase						●●	●●	●●
	FLOOR STANDING TYPE	1 Phase			●●	●●	●●	●●	●●	●●
		3 Phase						●●	●●	●●
Twin	*CEILING MOUNTED CASSETTE TYPE* 〈Round Flow〉	1 Phase							●	●
		3 Phase							●	●
	CEILING SUSPENDED TYPE	1 Phase							●	●
		3 Phase							●	●
	DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE	1 Phase							●	●
		3 Phase							●	●
	FLOOR STANDING TYPE	1 Phase							●	●
		3 Phase							●	●

Comfortable

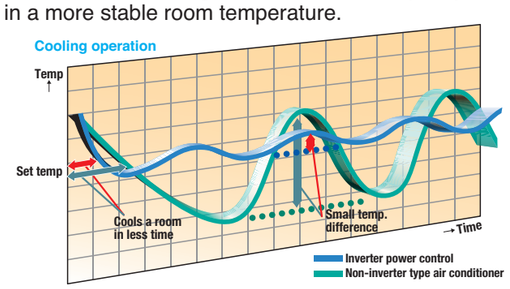
Super Inverter INVERTER

Enhanced comfort with Inverter

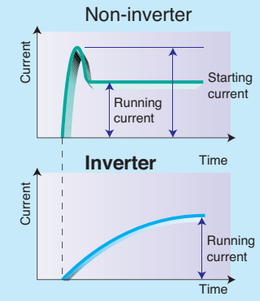
Inverter performs variable control of frequency, which determines air conditioner's power performance.

At startup, full power is used to achieve the set temperature quickly. Then, the capacity is adjusted according to the outdoor temperature changes and subtle indoor load changes to achieve fine capacity control resulting in a more stable room temperature.

Non-inverter type air conditioners must be switched on and off repeatedly, causing large fluctuations of the room temperature.



At startup, inverter raises frequency smoothly, eliminating the starting current spike.



Cassette air conditioner with 360° uniform airflow sets the standard

Cooling only / Heat pump

FCQ50/60LUV1V
FCQ60/71/100/125/140LUV1

Option

Accessory required for indoor unit.

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Navigation Remote Controller

(Wired Remote Controller)

BRC1E62

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.

Cooling only **BRC7F633F**
Heat pump **BRC7F632F**

Signal receiver unit (Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

Features

	Comfort										Remote controller					Cleanliness		Work & Servicing								Control features										Options			Others
	Auto swing	Swing pattern selection	Draft prevention function (heating)	Switchable fan speed (2 step)	Programme "Dry"	High ceiling application	Two selectable temperature-sensors	Hot start (after defrost)	Year-round cooling applicable	Night quiet operation	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Anti-bacterial air filter	Silver ion anti-bacterial drain pan	Drain pump mechanism	Pre charged for up to 30 m	Long-life filter	Filter sign	Ceiling soiling prevention	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DIII-NET communication standard	High-efficiency filter	Ultra long-life filter	Fresh air intake kit	Anti corrosion treated heat exchangers
Cooling only	●	●	–	●	●	●	*1	–	–	*2	*3	*3	*3	*3	*4	●	●	●	*2	●	●	●	*2	●	●	●	●	–	●	●	●	●	●	●	●	●	*2
Heat pump	●	●	●	●	●	●	*1	●	●	*2	*3	*3	*3	*3	*4	●	●	●	*2	●	●	●	*2	●	●	●	●	●	●	●	●	●	●	●	●	●	*2

*1Applicable when wired remote controller is used
*2For the outdoor units
*3Applicable when BRC1E62 is used
*4Applicable when BRC1C61 is used

Avoids uneven temperature and discomfort caused by drafts.

Comfort enhanced by Round Flow!

• 360° airflow

With uniform temperature distribution

Airflow distribution Creates uniform comfort throughout the space

• Air movement is gentle with Round Flow

Enhanced Comfort

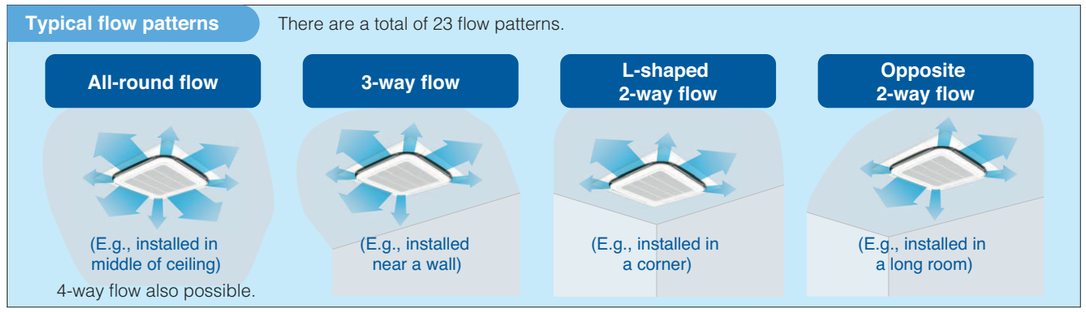
360° airflow can maintain comfort even if air discharge speed is lower.

If you raise the set temperature by 1 to 1.5°C,and velocity is decreased by 25%, you still obtain the same feeling temperature and comfort.

Adapts easily to the installation space.

• Because air flows out from corner outlets, comfort spreads more widely.

Typical flow patterns There are a total of 23 flow patterns.

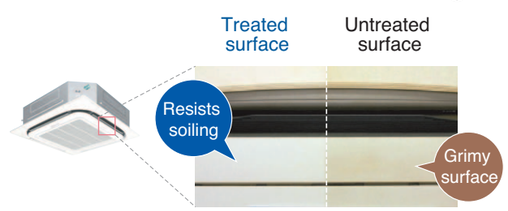

All-round flow
(E.g., installed in middle of ceiling)
4-way flow also possible.
3-way flow
(E.g., installed near a wall)
L-shaped 2-way flow
(E.g., installed in a corner)
Opposite 2-way flow
(E.g., installed in a long room)

Note: Whatever the discharge direction, the same type of panel is used. If installing for other than all-round flow, an air discharge outlet sealing material (option) must be used to close each unused outlet.
Operation sound increases when using 2-way or 3-way flow.

Grime prevention and bactericidal coating: Make cleaning easier.

External panels are treated with a coating that repels dirt.

• To prevent dirt sticking to the external panels, they have been coated with a surface treatment.



• Condition after exposure to the smoke of 600 cigarettes in 1 m^3 enclosed space.

• Silver ion anti-bacterial drain pan

Mould-proof drain pan includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

• Non-flocking flaps

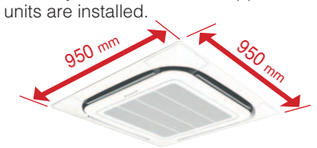
Condensation does not easily form on and dirt does not cling to non-flocking flaps.
It is easy to clean.

• Filter has anti-mould and bactericidal treatment

Prevents mould and microorganisms growing out of the dust and moisture that adheres to the filters.

Fine square panels

- Panel size is same for all models, FCQ50/60LUV1V, 60-140LUV1. It is easy to maintain a neat appearance when multiple units are installed.



Same for all models

Compact body and quiet operation

dB(A)

Indoor unit	High	Low
50LUV1V	35	28
60LUV1V/V1	35	28
71LUV1	35	28
100LUV1	43	32
125LUV1	44	34
140LUV1	44	36

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Optimal comfort and convenience assured by air discharge modes

Note: Air direction is set to the standard position when the unit is shipped from the factory. The position can be changed from the remote controller.

Air direction	Standard setting	Setting to prevent soiling of ceiling*
Desired situation	Standard position to prevent draft.	Recommended for shops with light coloured ceilings that must be kept spotless.
Auto-swing	Auto-swing between 15° and 60°	Auto-swing between 25° and 60°
5-levels air direction setting	Settable to 5 different levels between 15° and 60°	Settable to 5 different levels between 25° and 60°
Auto air direction control	The air direction is set automatically to the memorised position of the previous air direction.	

*Closing of the corner discharge outlets is recommended.

• Suitable for high ceilings

Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

■Criteria for ceiling height and number of air discharge outlets (Ceiling height is reference value)

		Number of air discharge outlets used							
		50/60LUV1V, 60/71LUV1				100–140LUV1			
		All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow
Ceiling height	Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m
	High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m
	High ceiling ②	3.5 m	4.0 m	3.5 m	—	4.2 m	4.5 m	4.2 m	—

Note: Factory settings are for standard ceiling height and all-round flow. High ceiling settings (1) and (2) are set with the remote controller by field setting.

• Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature must be set during commissioning by the technicians.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a temperature-sensor.

• Switchable fan speed: High/Low

High setting provides maximum reach while low setting minimises drafts.

• On/Off timer

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

Quick and easy to install

- Just 256 mm high. Installable in tight ceiling spaces (50/60LUV1V, 60/71LUV1)

*1 298 mm high with 100–140LUV1
*2 308 mm high with 100–140LUV1

- Easy height adjustment

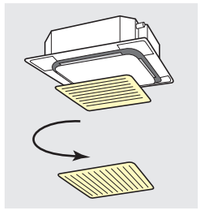
Each corner of the unit has an Adjuster Pocket that lets you easily adjust the unit's suspended height.

Note: If the wireless remote control option is installed, a light receptor unit is housed in one of the adjuster pockets.

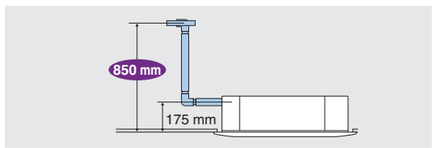
- All models can be installed without using lifter because of the light weight.

- Installable in any direction

Since the orientation of the intake grill can be adjusted after installing, the direction of the intake grill lines can be unified when multiple units are installed.

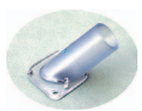


- Drain pump is equipped as standard accessory with 850 mm lift.



- Transparent drain socket

Because the drain socket is transparent, after the drain piping has been installed, it is easy to check if the drain come out through the socket.

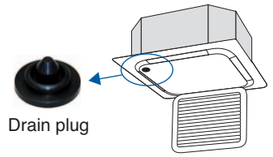


- Connection to a centralised control system is available without option

- Low gas pressure detection

Easier to maintain

- The condition of the drain pan and drain water can be checked by removing the drain plug and intake grille.

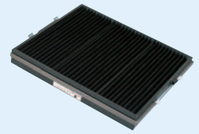


- With Ultra long-life filters (option), maintenance is not required in normal shops or offices for up to four years.

Options required for specific operating environments

Ultra long-life filter

Even in smoky environments where the air conditioning is on most of the time, the ultra long-life filter only has to be changed once a year.



Smoky atmosphere: annual filter change
*For dust concentration of 0.3 mg/m³ (Requires separately sold Air Cleaner.)
1 year (Approx. 5,000 hr) ≒15 hr/day x 28 day/month x 12 month/year

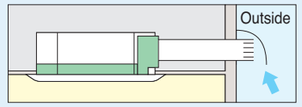
Ordinary store or office: filter change every 4 years
*For dust concentration of 0.15 mg/m³
4 years (Approx. 10,000 hr) ≒8 hr/day x 25 day/month x 4 years

High-efficiency filter

Available in two types: 65% and 90% colorimetry.

Fresh air intake kit

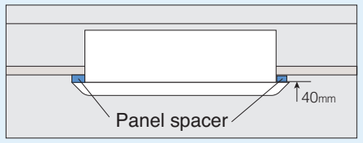
Using this kit, a duct can be fitted to increase the intake of outdoor air.



Note: *Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.
**Outside Air fan interlocked with air conditioning unit is necessary. Optional PCB(KRP1C63)is required for interlocking.
***It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating sound and may also influence temperature sending.

Panel spacer

Use when only minimal space is available between drop ceilings and ceiling slabs.



Note: Some ceiling constructions may hinder installation. Contact your Daikin Dealer before installing your unit.

Sealing material of air discharge outlet

Sealing material block air discharge openings not used in 2-way or 3-way blow.

Branch duct (direct-connection round duct)

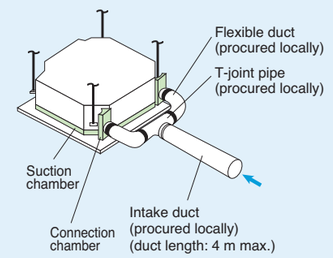
A round duct can be attached without the need for a chamber.

A flanged port for direct connection of a round duct is provided. An existing branch duct chamber can also be fitted (square slit hole).

The units can be installed in the following different ways.

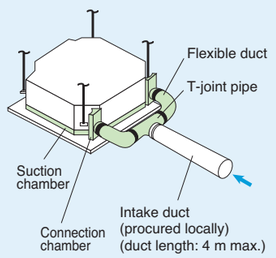
Chamber type
(without T-joint pipe and fan)

KDDP55B160


Flexible duct (procured locally)
T-joint pipe (procured locally)
Suction chamber
Connection chamber
Intake duct (procured locally) (duct length: 4 m max.)

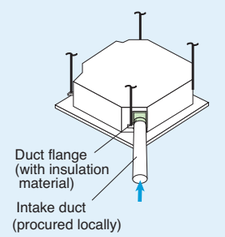
Chamber type
(with T-joint pipe and without fan)

KDDP55B160K



Direct installation type

KDDP55X160



Note: Use of options will increase operating sound.

Quiet decor-blending form and easy installation in new or old buildings

Cooling only / Heat pump
FFQ25/35/50/60BV1B

Option

Accessory required for indoor unit.

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Navigation Remote Controller

(Wired Remote Controller)

BRC1E62

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.

Cooling only **BRC7E531W**
Heat pump **BRC7E530W**

Signal receiver unit (Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

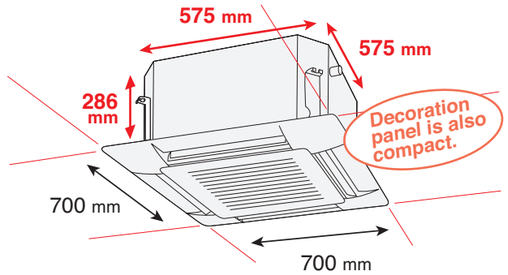
Features

	Comfort								Remote controller					Cleanliness		Work & Servicing					Control features							Option	Others
	Auto swing	Swing pattern selection	Draft prevention function (heating)	Switchable fan speed (2 step)	Programme "Dry"	Two selectable temperature-sensors	Hot start (after defrost)	Year-round cooling applicable	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Anti-bacterial air filter	Mould-proof drain pan	Drain pump mechanism	Pre charged for up to 10 m	Long-life filter	Filter sign	Ceiling soiling prevention	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Fresh air intake kit	Anti corrosion treated heat exchangers
Cooling only	●	●	–	●	●	*1	–	*2	*3	*3	*3	*3	*4	●	●	●	*5	●	●	●	●	●	–	●	●	●	●	●	●	*5
Heat pump	●	●	●	●	●	*1	●	*2	*3	*3	*3	*3	*4	●	●	●	*5	●	●	●	●	●	●	●	●	●	●	●	●	*5

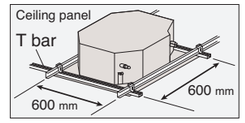
*1Applicable when wired remote controller is used
*2Applicable when outdoor temperature is from 10 to 46°CDB
*3Applicable when BRC1E62 is used
*4Applicable when BRC1C61 is used
*5For the outdoor units

Compact

- Sized to fit inside 600mm wide ceiling grids



- Fits without the need to cut T-bar grid



The switch box is built in to the unit, so maintenance is possible by simply removing the grill. An inspection opening is not required even for modules other than 600 x 600.

Quiet

- Quiet, small-diameter fan

Quiet operation has been achieved even with a compact body and developed spiral hub cover that reduces the static pressure inside the indoor unit.

Spiral hub cover →

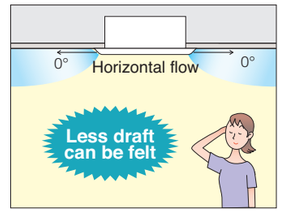
dB(A)

Indoor unit	High	Low
25B	29.5	24.5
35B	32	25
50B	36	27
60B	41	32

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

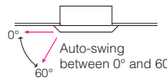
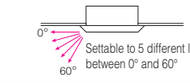
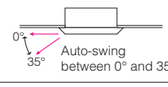
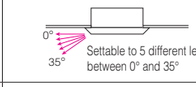
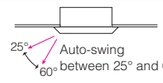
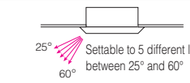
Comfortable

- Designed for low draft performance



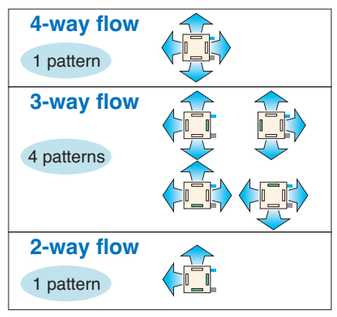
- Consistent comfort throughout

● Auto-swing operation distributes conditioned air more evenly.
● Airfow angle can be adjusted in accordance with room conditions.

	Auto-swing	5-levels air direction setting
Standard setting		
Draft prevention setting (Set on site)		
Setting to prevent soiling of ceiling (Set on site)		

Note: This angle above is provided as a guide. It may differ depending on the installation site.

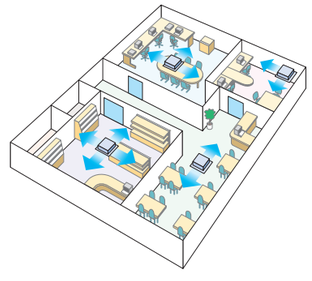
- Multi-Flow System



"■" denotes piping direction. ■ Drain piping
"■" denotes sealing member for air discharge outlet (option) .

Note: For 3-way or 2-way flow installation, the sealing member for air discharge outlet (option) must be used to close off the unused outlet(s).

- Air direction can be selected according to installation.



Note: Operation sound increases when using 2-way or 3-way flow.

- Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature requires initial setting by the installer.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a temperature-sensor.

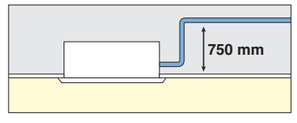
- Hot start (after defrost)

Uncomfortable cold air draft is avoided when heating operation starts or when switching to heat after defrosting.

- Switchable fan speed: High/Low

High setting provides maximum reach while low setting minimises drafts.

- Drain pump is equipped as standard accessory with 750 mm lift.



Comfortable airflow travels throughout the room

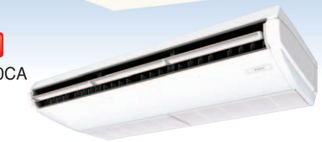
Cooling only / Heat pump

FHQ35BVV1B
FHQ50/60BVV1V
FHQ60BVV1G
FHQ71/100/125BVV1B
FHQ140CAVEB(A)

FHQ71BV

NEW

FHQ140CA



Option

Accessory required for indoor unit.

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Navigation Remote Controller

(Wired Remote Controller)

BRC1E62

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.

Cooling only 35-125BV **BRC7EA66**
140CA **BRC7GA56**

Heat pump 35-125BV **BRC7EA63W**
140CA **BRC7GA53**

35-125BV

140CA

Signal receiver unit (Installed type)
Wireless remote controller and signal receiver unit are sold as a set.

Features

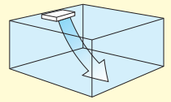
	Comfort									Remote controller					Cleanliness	Work & Servicing								Control features									Options	Others
	Auto swing	Draft prevention function (heating)	Switchable fan speed	Programme "Dry"	High ceiling application	Two selectable temperature-sensors	Hot start (after defrost)	Year-round cooling applicable	Night quiet operation	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Anti-bacterial air filter	Drain pump mechanism	Pre charged for up to 30 m	Pre charged for up to 10 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DIII-NET communication standard	Fresh air intake kit	Anti corrosion treated heat exchangers
Cooling only	●	–	*1	●	*2	*3	–	*4	*6	*8	*8	*8	*8	*9	●	*10	*6	*11	●	●	*6	*6	●	●	–	●	●	●	●	●	*13	*13	*14
Heat pump	●	●	*1	●	*2	*3	●	*5	*7	*8	*8	*8	*8	*9	●	*10	*7	*12	●	●	*7	*7	●	●	●	●	●	●	●	●	–	–	*14

*1FHQ35-125BV: 2 step, FHQ140CA: 3 step
*2Installable on max. 3.5 m (35-125BV), 4.3 m (140CA) high ceiling
*3Applicable when wired remote controller is used
*4Applicable to RKS outdoor units when outdoor temperature is from 10 to 46°CDB
*5When RXS35 is used, applicable when outdoor temperature is from 10 to 46°CDB
*6Applicable to RZR outdoor units
*7Applicable to RZQ outdoor units
*8Applicable when BRC1E62 is used
*9Applicable when BRC1C61 is used
*10Option
*11Applicable to RKS outdoor units
*12Applicable to RXS outdoor units
*13FHQ140CA only
*14For the outdoor units

New 140 model provides greater capacity for large spaces

- The technology of the DC fan motor, wide sirocco fan, and large heat exchanger combine for greater airflow and quiet operation.
  High/Middle/Low : 46/42/38 dB(A)
- Sophisticated design
  Flap neatly closes when not in use.
  Fresh white colour.

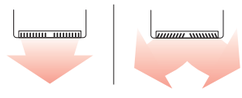
- Installable on ceilings 4.3 m high



- 3 fan speeds: High/Middle/Low
- Connection to a centralised control system is available, without option.
- Drain pump kit (option) includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

Comfortable

- Auto swing (up and down) and louvers (left and right by hand) bring comfort to the room
- Louver manually adjusts for straight or wide angle airflow



- Installable on ceilings 3.5 m high (FHQ35-125BV)
- Two selectable temperature-sensors
  Both indoor unit and wired remote controller (option) contain temperature- sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature requires initial setting by the installer.
  *Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
  **Wireless remote controller does not have a temperature-sensor.
- Switchable fan speed: High/Low (FHQ35-125BV)
- Programme "Dry"
  Dehumidification is a microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Quiet operation

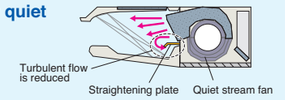
- Sound operation has been reduced on the exposed ceiling suspended type unit.

dB(A)

Indoor unit	High	Middle	Low
35BVV1B	37	–	32
50/60BVV1V	39	–	35
60BVV1G	39	–	35
71BVV1B	39	–	35
100BVV1B	42	–	37
125BVV1B	44	–	39
140CA	46	42	38

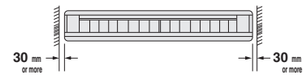
Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Uses quiet stream fan and other quiet technologies.
(FHQ35-125BV)



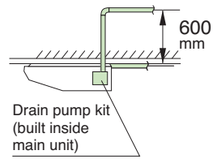
Installation flexibility for freedom of design

- Flexible installation
  The unit fits more snugly into tight spaces.



*Water used in the test-run can now be drained from the air discharge opening rather than from the side as was formerly the case.

- Drain pump kit (option) can be easily incorporated
  Drain pipe connection can be done inside the unit. refrigerant and drain pipe outlets are at the same opening.



- All wiring and internal servicing can be done from under the unit
- Pipes more easily rigged
- Low gas pressure detection

Easy maintenance

- Long-life filter lasts about 1 year*
  * For dust concentration of 0.15 mg/m³
  Two time settings (2500 hrs and 1250 hrs) are available to match the installation environment. Maintenance time warning is displayed on the remote controller (filter sign).
- Non-flocking flap
  Condensation does not easily form on and dirt does not cling to non-flocking flap. It is easy to clean.

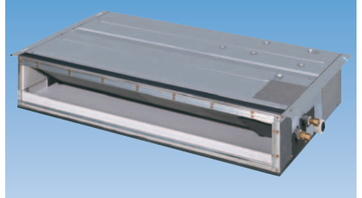
- Easy-clean, flat surfaces

Oil resistant grille

- Oil-resistant plastic is used for the air suction grille. This satisfies durability in restaurants and other similar environments.
  Note: Intended for use in salons, dining rooms, and ordinary sales floors, this specification is not suitable for kitchens or other harsh environments.

Suitable for tight ceiling spaces

Heat pump
FDXS25/35/50/60CVMA



Note: Refer to Engineering data for airflow and External static pressure characteristics.

Option

Accessory required for indoor unit

Wired LCD remote controller

BRC944B2

Note: 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.

Standard

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.

Heat pump **ARC433B69**

Signal receiver unit (Separate type)

Wireless remote controller and signal receiver unit are equipped as a set.

Smooth Finish

- The only visible sign of these unobtrusive units is their discharge grilles. They fit completely inside the ceiling to maintain the original decor of a room. Each unit comes with its own wireless remote controller.

Slim Profile

- All units share the same low height of just 200 mm. This means it is now possible to install a unit inside a shallow ceiling cavity with a height of just 240 mm.

Comfortable

- Quiet operation

dB(A)

Indoor unit	High	Low
25C	35	31
35C	35	31
50C	37	33
60C	38	34

Features

	Comfort					Cleanliness	Work & Servicing		Control features			Others
	Switchable fan speed (2 step)	Auto airflow rate	Programme "Dry"	Hot start (after defrost)	Year-round cooling applicable	Mould-proof air filter	Pre charged for up to 10 m	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Central remote control	Anti corrosion treated heat exchangers
Heat pump	●	●	●	●	*1	●	*2	●	●	●	●	*2

*1Applicable when outdoor temperature is from 10 to 46°CDB
*2For the outdoor units

Clever and compact mini ducted unit provides comfort and flexibility

Heat pump
FBQ50/60/71BV1A

Option **Accessory required for indoor unit**

Wired LCD remote controller

BRC1C61

Navigation Remote Controller
(Wired Remote Controller)

BRC1E62

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.

Heat pump **BRC4C62**

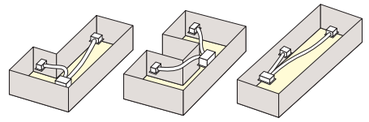
Signal receiver unit (Separate type)

Wireless remote controller and signal receiver unit are sold as a set.

Comfortable

- Flexibly adapts to shop interiors

To cope with the challenges of L-shaped or U-shaped spaces, it is possible to install the air discharge unit away from the main unit. At the same time, different types of architectural space can be kept comfortable.



L-shaped space U-shaped space Long space

- Quiet operation

dB(A)

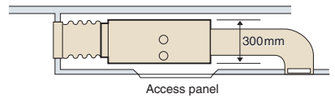
Indoor unit	High	Low
50B	33	29
60B	34	30
71B	34	30

Compact

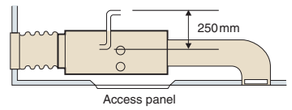
- Compact design of built-in type helps blend with interior decor.
  Height reduced to allow installation in confined spaces.

Work & Servicing

- The height of the unit is a mere 300 mm. It can be installed in a narrow ceiling space. (when access panel is used.)



- Provided with condensate drain pump, waking drain piping easier in awkward spaces.



- External static pressure can be set depending on duct length, presence of high-efficiency filter, and other installation conditions.

External static pressure pattern

(Pa)

Indoor unit	High	Standard	Low
50B–71B	88	49	20

External static pressure is set to standard when the unit is shipped from the factory.

Features

	Comfort					Remote controller					Cleanliness	Work & Servicing				Control features								Others
	Switchable fan speed (2 step)	Programme "Dry"	Two selectable temperature sensors	Hot start (after defrost)	Year-round cooling applicable	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Mould-proof drain pan	Drain pump mechanism	Pre charged for up to 10 m	Filter sign	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Anti corrosion treated heat exchangers
Heat pump	●	●	*1	●	*2	*3	*3	*3	*3	*4	●	●	*5	●	●	●	●	●	●	●	●	●	*5

*1Applicable when wired remote controller is used
*2Applicable when outdoor temperature is from 10 to 46°CDB
*3Applicable when BRC1E62 is used
*4Applicable when BRC1C61 is used
*5For the outdoor units

Enhance comfort using cleverly placed ducts

Cooling only / Heat pump

FBQ50/60DV1V
FBQ60/71/100/125/140DV1

Option

Accessory required for indoor unit.

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Navigation Remote Controller

(Wired Remote Controller)

BRC1E62

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.

Cooling only **BRC4C64**
Heat pump **BRC4C62**

Signal receiver unit (Separate type)

Wireless remote controller and signal receiver unit are sold as a set.

Features

	Comfort						Remote controller					Cleanliness		Work & Servicing						Control features									Option	Others
	Switchable fan speed (2 step)	Programme 'Dry'	Two selectable temperature-sensors	Hot start (after defrost)	Year-round cooling applicable	Night quiet operation	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Anti-bacterial air filter	Silver ion anti-bacterial drain pan	Drain pump mechanism	Pre charged for up to 30 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DIII-NET communication standard	High efficiency filter	Anti corrosion treated heat exchangers
Cooling only	●	●	*1	–	–	*2	*3	*3	*3	*3	*4	*5	●	●	*2	*5	●	*2	●	●	●	–	●	●	●	●	●	●	●	*2
Heat pump	●	●	*1	●	●	*2	*3	*3	*3	*3	*4	*5	●	●	*2	*5	●	*2	●	●	●	●	●	●	●	●	●	●	●	*2

*1 Applicable when wired remote controller is used
*2 For the outdoor units
*3 Applicable when BRC1E62 is used
*4 Applicable when BRC1C61 is used
*5 Option

Increased freedom of design thanks to variable control over external static pressure

- Comfort airflow achieved in accordance with conditions such as duct length.

Using a DC fan motor, the external static pressure can be controlled within a range of 50 Pa to 200 Pa.

Freely control external static pressure

50 Pa — **200 Pa**

Set to low static pressure when ducts are short.

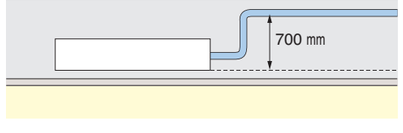
Set to high static pressure for advanced needs such as when using dampers and long ducts.

Thin, lightweight indoor unit makes delivery and installation easy.

- With a height of only 300 mm, installation is possible even in buildings with narrow ceiling spaces.

Indoor unit	50/60/71D	100D	125D	140D
Height (mm)	300			
Width (mm)	1,000	1,400		
Depth (mm)	700			
Machine weight (kg)	36	46		

- Drain pump is equipped as standard accessory with 700 mm lift.



Reduced installation time

- Use remote controller to adjust airflow

When testing standard integrated ceiling units that employ duct work, much time used to be required to adjust airflow to the right level. Thanks to the ability provided by Daikin to automatically perform this troublesome adjustment using a remote controller, this step is now quick and easy. (Adjust by H tap .)

1. Adjust to approximately ±10% of the rated H tap airflow.
2. Once actual operation has begun, adjustment of the rated airflow is not possible.

- Easier connection with the centralised control system

Quiet operation

dB(A)

	50/60/71D	100D	125/140D
High	37	38	40
Low	32	33	36

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Easy maintenance

Maintenance is easy because the drain pan can be removed.

Clean

- Silver ion anti-bacterial drain pan

Mould-proof drain pan includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

Comfortable

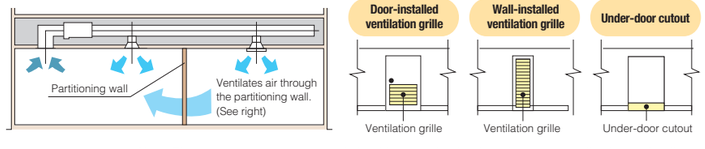
- Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature- sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control.
This feature requires initial setting by the installer.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.
**Wireless remote controller does not have a temperature-sensor.

Simultaneous air conditioning of two rooms and ventilation grille (ventilation opening)

When air conditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicated ventilation grilles should be installed on the partitioning wall or under the door between the rooms.



Note: The under-door cutout method should be used only when there is a small volume of airflow.

New airflow control for more comfort

Cooling only / Heat pump
FVQ50/60CVE
FVQ71/100/125/140CVEB

BRC1E62 can be incorporated into the main unit.

Option

Accessory required for indoor unit.

Wired LCD remote controller

BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Navigation Remote Controller

(Wired Remote Controller)

BRC1E62

Note: Remote controller cable not included. Cables must be procured locally.

Features

	Comfort										Remote controller					Cleanliness	Work & Servicing						Control features									Others
	Auto swing	Independent up-and-down airflow	Switchable fan speed (3 step)	Auto airflow rate	High fan speed mode	Programme "Dry"	Two selectable temperature-sensors	Hot start (after defrost)	Year-round cooling applicable	Night quiet operation	Setpoint auto reset	Setpoint range set	Weekly schedule timer	Off timer (programmed)	On/Off timer	Anti-bacterial air filter	Pre charged for up to 30 m	Long-life filter	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	DIII-NET communication standard	Anti corrosion treated heat exchangers	
Cooling only	●	●	●	*1	*2	●	*3	–	–	*4	*1	*1	*1	*1	*5	●	*4	●	●	*4	●	●	●	–	●	●	●	●	●	●	*4
Heat pump	●	●	●	*1	*2	●	*3	●	●	*4	*1	*1	*1	*1	*5	●	*4	●	●	*4	●	●	●	●	●	●	●	●	●	●	●	*4

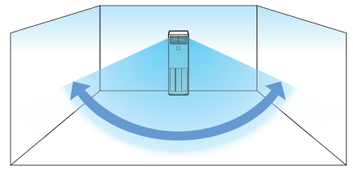
*1 Applicable when BRC1E62 is used
*2 Applicable for FVQ50-100
*3 Applicable when wired remote controller is used
*4 For the outdoor units
*5 Applicable when BRC1C61 is used

New comfortable airflow control

1) Left and right directions (by remote controller)

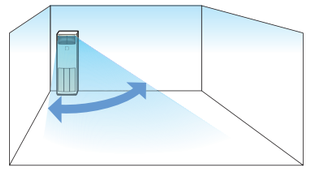
- Auto swing direction is selectable from 3 patterns to suit the layout of the room.
  (Applicable when BRC1E62 is used.)

Pattern 1 Wide swing toward the front

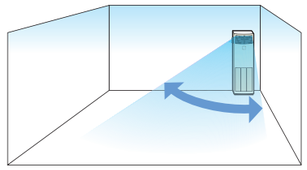


When installed in the center of a wall.

Pattern 2 Swing on the left side



Pattern 3 Swing on the right side



When installed in the corner of a room.

2) Up and down directions (by hand)

- Independent up-and-down airflow directions facilitate even room temperature and help save energy.

Freely select both up and down airflow direction with 8-louver (horizontal blade) operation.

New unit

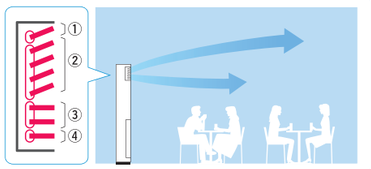
① Upper louver (1)
② Upper interlocking louvers (4)
③ Lower interlocking louvers (2)
④ Lower louver (1)

Each set of louvers ① to ④ can be independently adjusted. (Manual adjustment)

Example applications

When cooling

Turning louvers ① and ② upward and leaving ③ and ④ horizontal will reduce uneven room temperature.



Comfortable fan speed control

- Switchable fan speed:
  High/Middle/Low and Auto
  ("Auto" is applicable when BRC1E62 is used.)
- Auto airflow rate is selectable.
  Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.
- High fan speed mode (applicable for FVQ50-100)
  To carry airflow to the far side of the room, airflow rate can be increased 5% or 10% depending on the installation condition or customer's request. (Field setting by remote controller.)
- Programme "Dry"
  Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Energy saving

- A DC fan motor improves efficiency.

Quiet operation

dB(A)

Indoor unit	50/60/71C	100C	125C	140C
High	43	50	51	53
Middle	41	47	48	51
Low	38	44	46	48

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Quick and easy installation and maintenance

- Lightweight indoor unit

  Enables smooth transport and installation of the indoor unit.

(kg)

Indoor unit	50/60/71C	100C	125C	140C
Weight	39	47		

- Long-life filter lasts about 1year * maintenance not required
  * For dust concentration of 0.15 mg/ m³
- Employs a safety lock function of suction grill.
  The grill will not open even upon impact.
- Easier connection with the centralised control system.

Super Inverter

Compact Outdoor unit

RZR50LUV1V/LVVM
RZR60LUV1V/LVVM
RZR71LVVM

RZR100LVVM

RZR100LUY1
RZR125LVVM/LUY1
RZR140LVVM/LUY1

RZQ50KBV1V/KBV4A
RZQ60KBV1V/KBV4A
RZQ71KCV4A

RZQ100KCV4A
RZQ125KCV4A
RZQ140KCV4A

RZQ100HAY4A
RZQ125HAY4A
RZQ140HAY4A

Easy installation and maintenance

Pre charged for up to 30 metres

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

Long piping length

■ **Allowed refrigerant piping length and level difference**

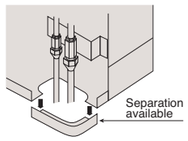
	RZR50-140LU/LV RZQ50/60KB RZQ71KC	RZQ100-140KC RZQ100-140HA
Pre charged[1]	30 m	
Max. length	50 m (Equivalent length 70m)	75 m (Equivalent length 90m)
Max. level difference	30 m	

Note : [1]Additional refrigerant charging is required if the refrigerant pipe is longer than the length.

4-direction piping offers greater layout freedom

(not applicable for RZR50-71)

The outer panel for the piping connection part of the front, right side and backside can be removed and is easier for post-installation piping work.



Facilitates pump down (Refrigerant recovery function)

A pump-down switch is provided to make it easier to collect refrigerant if the unit is to be moved or layout modified.

*Pump-down function is available for pre-charged refrigerant amount.

Low gas pressure detection function

Effective gas monitoring reduces the labor required for operation, maintenance, and repairs.

Energy saving

(RZR50-71 only)

Through use of a V-cut propeller fan that imitates the efficiency of the swan, a migratory bird, airflow becomes smooth and loss is reduced.

Φ550
V-cut propeller fan

Imitating the performance of the swan

Durability

As the bottom frame is subject to corrosion, corrosion-proof galvarium steel plate is adopted to enhance the durability.

Heat exchange fins provided with anti-corrosion treatment

Construction

Non-treated fin	← Aluminium
Anti corrosion treated heat exchangers	← Hydrophilic film ← Aluminium ← Corrosion resistant acrylic resin

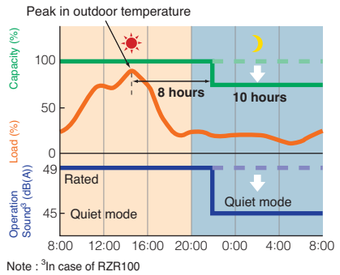
Night time quiet operation function

The Automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.

★ Reducing noise will reduce capacity slightly.

Cooling only	Heat pump	Sound level[1] (dB(A))	
		Rated[2]	Night Quiet Mode
RZR50/60LU/LV	RZQ50/60KB	48	44
RZR71LV	RZQ71KC	48	44
RZR100LU/LV	RZQ100KC/HA	49	45
RZR125LU/LV	RZQ125KC/HA	50	45
RZR140LU/LV	RZQ140KC/HA	50	46

Note : [1]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
[2]Value when cooling. Value will differ when heating.

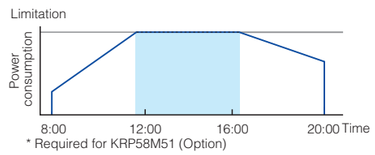


Note : [3]In case of RZR100

Demand Control Function

(RZR100-140 and RZQ only)

The maximum capacity is maintained within a set level of power consumption, which makes it possible to keep comfort and effective demand control.



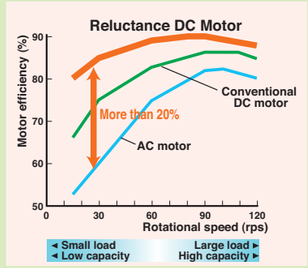
* Required for KRP58M51 (Option)

Technology for energy efficiency

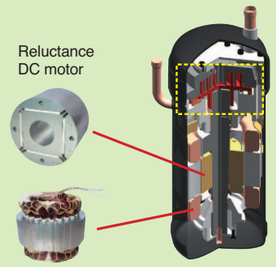
The high efficiency compressor to achieve a high COP

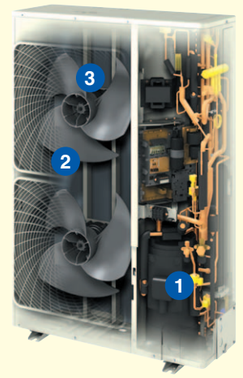
1 Compressor equiped with Reluctance DC motor

Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor.
The Reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2.
This motor can save energy because it generates more power with a smaller electric power than an AC or conventional DC motor.



Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.



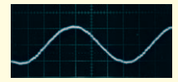


*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
*2. The torque created by the change in power between the iron and magnet parts.

>> Smooth sine wave DC inverter

Use of an optimised sine wave smoothes motor rotation, further improving operating efficiency.

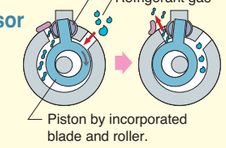
Sine wave DC inverter



RZR50/60LU/LV, RZR71/100LVVM
RZQ50/60KB, RZQ71KC

>> Swing compressor

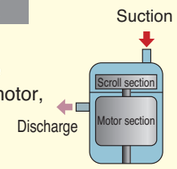
Energy savings is realised, eliminating the friction and the leakage of refrigerant gas.



RZR125/140LVVM, RZR100/125/140LUY1
RZQ100/125/140KC, RZQ100/125/140HA

>> The structural scroll

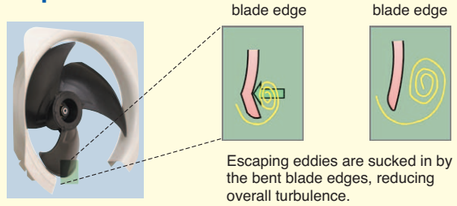
Sucked gas is compressed in the scrolling part before the heated motor, so that the machine compress the non-expanded gas, resulting in high efficiency compression.



2 Smooth Air Inlet Bell Mouth and Aero Spiral Fan

(not applicable for RZR50-71)

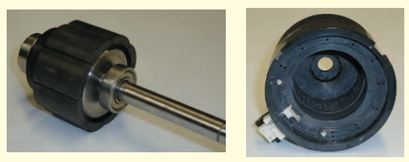
These two features work to reduce noise. Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features fan blades with the bent blade edges, further reducing turbulence.


With the bent blade edge
Without the bent blade edge
Escaping eddies are sucked in by the bent blade edges, reducing overall turbulence.

3 DC fan motor

Efficiency improved in all areas compared to AC motors, especially at low speeds.

DC fan motor structure

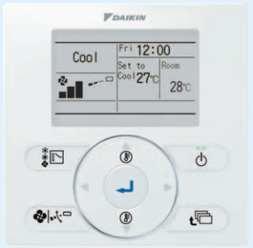


Easy-to-read LCD remote controller allows various system control configurations and can control multiple indoor units.

Remote controller options are shown on the page introducing each indoor unit model.

Navigation Remote Controller (Wired Remote Controller BRC1E62)

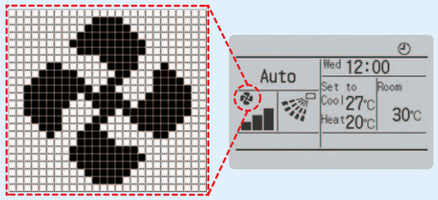
NEW



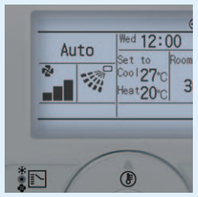
This simple, modern designed remote controller with fresh white colour matches your interior design. Operation is much easier and smoother, just follow the indications on the navigation remote controller.

Clear Display

Dot matrix display
A combination of fine dots enables various icons. Large text display is easy to see.



Backlight display



Energy saving

NEW Setpoint auto reset

- Even if the set temperature is changed, it returns to the preset temperature after apreset period of time.
- Period selectable from 30min/60min/90min/120min.

Restaurant sample

Restaurant opened	Full tables at lunchtime	After 30 minutes*
Temperature is set to 27°C	Then is lowered to 24°C for crowded room	Automatically returns to preset temperature (27°C)

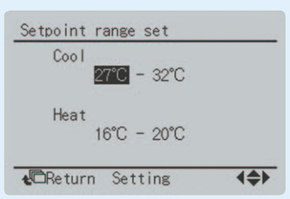
*Setting possible for after 30, 60, 90, and 120 minutes.

Off timer (programmed)

- Sets and saves setting for an increment of time that automatically turns off air conditioner after a preset period of time for each time operation starts.
- Period can be preset from 30 to 180 minutes in10-minute increments.

NEW Setpoint range set

- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient when the remote controller is installed at a place where any number of people may operate it.

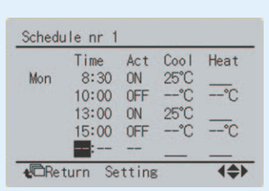


Convenience

Weekly schedule

- 5 actions per day can be scheduled for each day of the week.
- The holiday function will disable schedule timer for the days that have been set as holiday.

NEW - 3 independent schedules can be set. (e.g. summer, winter, mid-season)



Multilingual display

Display is available in 11 languages.

(English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian, Turkish, and Polish).

Wired LCD remote controller

Easy to read because of large LCD screen.

BRC1C61

- The rubber switch and the oil-resistant plastic casing are adopted for durability.
- Only 17 mm thick. Can be installed either recessed or exposed.

Wired remote controller has built-in temperature-sensor

(Applies to wired remote controllers (BRC1C61/1E62))

- Enables temperature sensing closer to target area for improved comfort. (When using remote control from another room, temperature-sensor in indoor unit's air inlet must be selected.)

Facilitates maintenance and repair

- All initial settings can be set from the remote controller. After interior construction is complete, ceiling mounted cassette type can be remotely set without having to use stepladder access for manual setting.
  Setting contents: High ceiling use, air direction, filter type, address for centralised control (group control address is set automatically).
- Remote controller is equipped with model name and failure display functions. This facilitates service in the unlikely event of a malfunction.
  (Applies to wired remote controller (BRC1E62))

SkyAir shares common control with Heat Reclaim Ventilator and the other Daikin air-conditioning units, thus simplifying interlocking operations.

- Easily adaptable to large-scale, high-function, centralised remote control systems. Installing and connecting control wiring between SkyAir and other Daikin air-conditioning equipment is easy.

LCD wireless remote controller

Wireless remote controller

BRC7F633F

Signal receiver unit (For ceiling mounted cassette type)

- The wireless remote controller is supplied in a set with a signal receiver.
- Signal receiver unit is contained inside decoration panel or indoor unit
- Shape of signal receiver unit differs according to the indoor unit.

Note: The signal receiver unit shown in the photograph is for mounting inside the decoration panel of the ceiling mounted cassette type.

Wireless remote controller for each indoor unit type

		Cooling only	Heat pump
CEILING MOUNTED CASSETTE TYPE		BRC7F633F	BRC7F632F
COMPACT MULTI FLOW TYPE		BRC7E531W	BRC7E530W
CEILING SUSPENDED TYPE	35-125BV	BRC7EA66	BRC7EA63W
	140CA	BRC7GA56	BRC7GA53
CEILING MOUNTED SLIM DUCT TYPE		—	ARC433B69 (standard accessory)
CEILING MOUNTED BUILT-IN TYPE		—	BRC4C62
DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE		BRC4C64	BRC4C62

LCD panel shows operating status in letters, numbers, and motion.

Airflow / swing display	Displays auto-swing operating status and setting position of air discharge angle.
Preset temperature / operation mode display	Displays preset room temperature and operating status (fan, dry, cool).
Programming time display	Operation start and stop time can be set for individual timers up to 72 hours. The LCD also shows when it is time to clean the filter, when changeover is under centralised control, and ventilation/cleaning.
Self-diagnosis function	Monitors operating status within the system covering 40 items, and displays a message to indicate as soon as a malfunction occurs.

Simple system provides a diverse assortment of control modes.

	Control pattern	Wired remote controller	Wireless remote controller
Control by 1 remote controller	(Basic system)	● Non-polar, double-core (max. wiring length 500 m)	● Signal receiver unit installed on indoor unit
Control by 2 remote controllers	For control from 2 locations such as in room and control room, exits, etc.	● Connects 2 wired remote controllers (See note 1)	● Control by 1 wireless remote controller and 1 wired remote controller (See note 2, 3) ● Signal receiver unit installed on indoor unit
Group control	For simultaneous control of up to 16 indoor units.	● Automatic address setting function	● Automatic address setting function ● Signal receiver unit installed on 1 indoor unit
Control by external command	Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.	● Optional wiring adaptor for electrical appendices is necessary	● Optional wiring adaptor for electrical appendices is necessary
Centralised remote control	Centralised control of up to 64 indoor groups from remote location up to 1 kilometer away.	Central remote controller (option) ● Interface adapter for SkyAir series (option) is required (See note 4)	Central remote controller (option) ● Interface adapter for SkyAir series (option) is required (See note 4)
Interlock control with Heat Reclaim Ventilator	Link by remote controller group control.	Heat Reclaim Ventilator ● Can be operated simultaneously or independently by remote controller (set by ventilation mode)	Heat Reclaim Ventilator ● Can be operated simultaneously by remote controller (set by ventilation mode)
	Zone link control by centralised control.	Central remote controller (option) Heat Reclaim Ventilator ● Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking Can also be operated independently by remote controller.	Central remote controller (option) Heat Reclaim Ventilator ● Heat Reclaim Ventilator for indoor units within a zone are operated by interlocking

Note: [1]BRC1E62 can connect to BRC1E62 only.
[2]It is not possible to use two wireless remote controllers.
[3]BRC1E62 cannot connect to wireless remote controller.
[4]The ceiling mounted cassette type <Round Flow>, ceiling suspended type (140CA only), duct connection middle and high static pressure type, and floor standing type come standard with an interface adaptor for SkyAir series.

Easily adaptable to large-scale, high-function, centralised remote control system.

Central remote controller

DCS302CA61 (Option)

Centralised control, with setting as simple as it is with a standard remote controller, of up to 64 groups (1,024 indoor units) is possible.

Unified on/off controller

DCS301BA61 (Option)

Centralised control of on/off by group or all at once for up to 256 indoor units.

Schedule timer

DST301BA61 (Option)

Unified control of weekly schedule for up to 1,024 indoor units.
Schedule timer sets on/off time in 1 minute units to be executed twice a day for a week at a time.

intelligent Touch Controller

DCS601C51 (Option)

With its high functionality, the full colour “all-in-one” graphic controller facilitates management of SkyAir System in a variety of ways.

Interface adaptor for SkyAir series

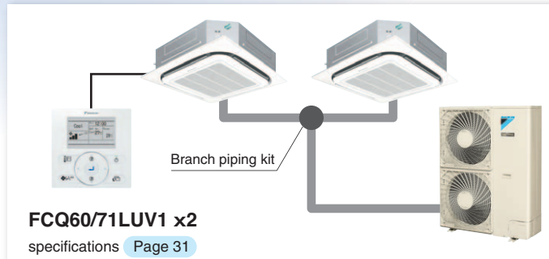
DTA112BA51 (Option)

Enables centralised control via connection to a high-speed, DIII-NET communication system, adopted for the Daikin VRV system.
Necessary for interface adaptor for SkyAir series with the central remote control units shown at above.

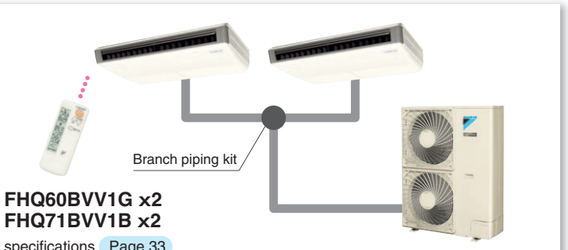
● The interface adaptor for the SkyAir series is optional except for the ceiling mounted cassette type <Round Flow>, ceiling suspended type (140CA only), duct connection middle and high static pressure type, and floor standing type.

Super Inverter

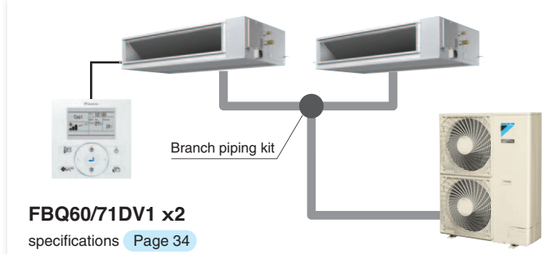
Four new types of Multi series indoor units are now available!



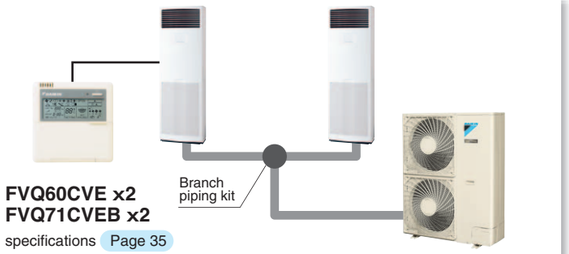
FCQ60/71LUV1 x2
specifications Page 31



FHQ60BVV1G x2
FHQ71BVV1B x2
specifications Page 33



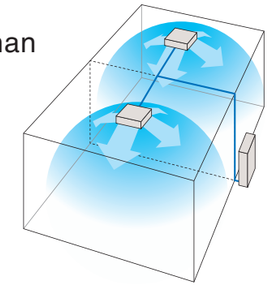
FBQ60/71DV1 x2
specifications Page 34

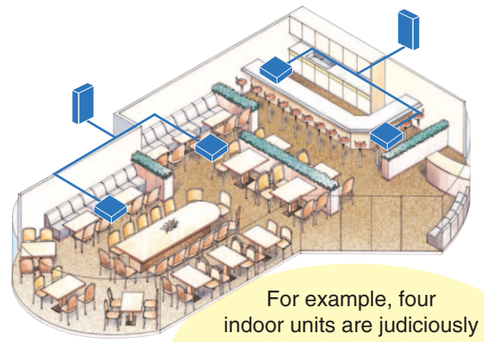


FVQ60CVE x2
FVQ71CVEB x2
specifications Page 35

Twin Multi for comfort and economy

- Lower installation cost than individual pair type
- Reduced outdoor unit installation space
- Distributed indoor units enhance comfort



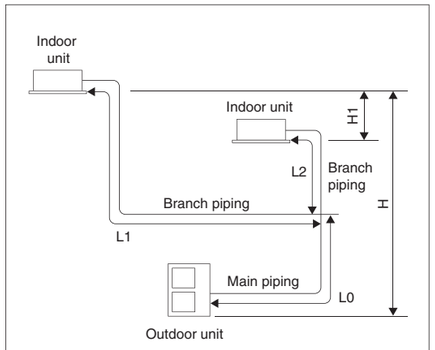


2 sets of Twin Multi

For example, four indoor units are judiciously spaced in this wide single-floor restaurant to deliver comfortable currents of air to every corner of the room.

Piping guideline

Outdoor unit	RZR125/140LVVM RZR125/140LUY1
Max. piping length	L0 + L1 + L2 ≦ 60 m
One-way max. piping length (longest length of liquid piping or gas piping)	L0 + L1 ≦ 50 m (In case of L1 > L2)
Max. branch piping length	L1, L2 ≦ 20 m
Max. difference of branch piping length	L1 − L2 ≦ 10 m (In case of L1 > L2)
Max. level difference between indoor units	H1 ≦ 0.5 m
Max. level difference between outdoor unit and indoor units	H ≦ 30 m



Refrigerant branch piping kit for Twin Multi operation (option)

KHRP58P216T Page 43

Abundance of functions that provide comfortable air-conditioning in stores and offices.

•Note: Some features only available on selected models. See model pages for full list of features applicable to each unit.

Comfort

Auto-swing

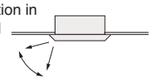
Delivers comfortable air-conditioning to all areas, near to and far from the air-conditioner.

■ The air flow direction can be fixed at your desited angle by the remote controller.

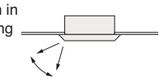
Swing pattern selection (standard, ceiling soiling prevention)

You can freely set 2 air discharge setting by remote controller.

(1) Air direction in standard setting



(2) Air direction in ceiling soiling prevention setting



Draft prevention function (heating)

To prevent cold air drafts, automatically adjusts airflow to near horizontal position when heating initially starts or when the thermostat turns off.

Independent up-and-down airflow

Independently adjust (manually) the eight horizontal blade louvers in both up and down directions to achieve an airflow that reduces uneven room temperature.

Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

Auto airflow rate

Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.

High fan speed mode

You can increase fan speed approximately 10% higher than the "high" setting.

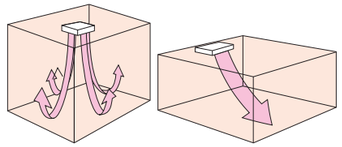
• Applicable for wall mounted type

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature. Useful for reducing uncomfortable humidity without uncomfortable cooling of the room.

High-ceiling application

Delivers air-conditioning comfort all the way down to the floor in air-conditioning zones with high ceilings.

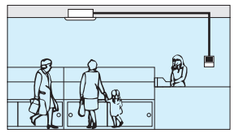


Note:When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.

Two selectable temperature-sensors

Temperature-sensors are included in the indoor unit and optional wired remote controller. Temperature sensing closer to target area is possible to further increase the comfort level.

● Use the temperature-sensor in the indoor unit when controlling air conditioning from another room.



Note: Wireless remote controllers have no temperature-sensor.

Hot start (after defrost)

Cold air flow is avoided when heating operation starts or when switching to heat after defrosting.

Year-round cooling applicable

Efficient cooling even in winter when the indoor temperatures are higher than those outside, such as in underground public spaces or offices with many computers.

Night quiet operation

The Automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.

Remote Controller

Setpoint auto reset

Even if the set temperature is changed, it returns to the preset temperature after a preset period of time.

Setpoint range set

Saves energy by limiting the minimum and maximum set temperatures. Avoids excessive heating and cooling.

Weekly schedule timer

Up to five operation ON/OFF settings can be programmed per day for each day of the week. Not only can the time be set for the operation ON setting, but also the temperature.

Off timer (programmed)

Sets and saves setting for an increment of time that automatically turns off air conditioner after a preset period of time for each time operation starts.

On/Off timer

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

Cleanliness

Anti-bacterial air filter

The Air filter has a anti-bacterial treatment to help prevent the growth of bacteria and mould on it.

Mould-proof air filter

Sanitary filter has mould-resistant treatment.

Silver ion anti-bacterial drain pan

Mould-proof drain pan includes a silver ion antibacterial agent that assists in preventing the growth of slime, bacteria, and mould that cause smells and clogging.

Mould-proof drain pan

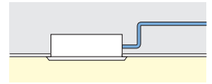
Mould-proof drain pan prevents growth of mould in highly humid conditions.

• Note: Some features only available on selected models. See model pages for full list of features applicable to each unit.

Work and Servicing

Drain pump mechanism

Steeper gradient realises more efficient condensate drainage. High-lift is especially useful for long lengths of drain piping.



Pre charged for up to 30 metres

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

*Applicable to RZR/RZQ series.
RKS/RXS series: 10 m

Long-life filter

Maintenance is not required for one year (two years when a ceiling mounted cassette type is used).

Filter sign

The filter sign warns you when it is time to clean the filter.

*When using a wired remote controller the sign is displayed in the LCD. When using a wireless remote controller the filter sign lamp illuminates on the signal receiver unit.

Ceiling soiling prevention function

Daikin's innovative air discharge mechanism keeps airflow away from the ceiling. Ceiling cleaning is less frequently required.

Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure. Reliability is assured and maintenance and inspection can be carried out more quickly.

Emergency operation

If there is a malfunction elsewhere in the system, the fan or compressor can still be operated.

Self diagnosis function

The operating parameters of indoor and outdoor units, and sensor data at critical locations throughout the system, are constantly monitored using a microcomputer. To facilitate quick response in the event of a malfunction, a message appears on the LCD of the remote controller and an LED on the unit illuminates.

Control features

Auto-restart

If there is a power outage while the equipment is operating, operations will restart in the same mode as before the power cut when electricity is restored.

Auto cool/heat change-over (Heat pump only)

Detects difference in preset temperature and actual room temperature and automatically switches to cooling or heating accordingly.

Control by 2 remote controllers

Using 2 remote controllers you can operate the equipment locally or from a remote location.

Note: When a wireless remote controller is used, remote control by two remote controllers is not possible.

Group control by 1 remote controller

You can turn up to 16 indoor units on/off with a single remote controller. (When using connected indoor units, the settings must all be the same and on/off will be simultaneous.)

External command control

Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.

*Required for KRP58M51 (Option)

Central remote control

Optional central remote controller enables centralised control of up to 1024 indoor units (64 groups) from up to 1 kilometer away.

Interlock control

Enables interlocking control with external equipment such as Heat Reclaim Ventilator.

DIII-NET communication standard

Standardly equipped interface enables connection to centralised control system without need of an adaptor.

Options

High-efficiency filter unit

Two types are available: 65% and 90% colorimetry.

Ultra long-life filter

Requires no maintenance for about 4 years* (10,000h) in stores and offices.

*For dust concentration of 0.15 mg/m^3

Fresh-air intake kit

You can provide air-conditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.

Note: *Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.
**Outside Air fan interlocked with air conditioning unit is necessary. Optional PCB(KRP1C63)is required for interlocking.
***It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating noise and may also influence temperature sending.

Others

Anti corrosion treated heat exchangers

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated Anti corrosion treated heat exchangers (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit.
In high corrosive areas, regular maintenance needs to be carried out.

SPECIFICATIONS

CEILING MOUNTED CASSETTE TYPE Cooling only

Model Name				50	60	71	100	125	140	100	125	140
	Indoor unit			FCQ50LUV1V	FCQ60LUV1V	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1
	Outdoor unit			RZR50LUV1V	RZR60LUV1V	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1	RZR140LUY1
Power supply	Outdoor unit			1 Phase, 220–240 V, 50 Hz						3 Phase, 380–415 V, 50 Hz		
Cooling capacity[1,2] Rated (Min. - Max.)			kW	5.0 (2.3-5.6)	5.8 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)
Power consumption	Cooling[1]		kW	1.30	1.57	1.99	2.78	3.68	4.91	2.78	3.68	4.91
COP			W/W	3.84	3.70	3.57	3.60	3.40	2.85	3.60	3.40	2.85
Indoor unit	Colour	Unit		———								
		Decoration panel		Fresh white								
	Airflow rate (H/L)		m³/min	21/13.5			32/20	33/22.5		32/20	33/22.5	
			cfm	741/477			1,130/706	1,165/794		1,130/706	1,165/794	
	Sound level (H/L)[3]		dB(A)	35/28			43/32	44/34	44/36	43/32	44/34	44/36
	Dimensions (H×W×D)	Unit	mm	256×840×840			298×840×840					
		Decoration panel	mm	50×950×950								
	Machine weight	Unit	kg	21			24					
		Decoration panel	kg	5.5								
	Certified Operation range	Cooling	°CWB	14 to 25								
Outdoor unit	Colour			Ivory white								
	Compressor	Type		Hermetically sealed swing type				Hermetically sealed scroll type				
		Motor output	kW	1.12	1.35	1.76	2.03	2.4	3.1	1.8	2.4	3.1
	Refrigerant charge (R-410A)		kg	1.6 (Charged for 30 m)			2.7 (Charged for 30 m)	3.15 (Charged for 30 m)		2.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
	Sound level[3]	Cooling	dB(A)	48			49	50		49	50	
		Night quiet mode	dB(A)	44			45		46	45		46
	Dimensions (H×W×D)		mm	595×845×300			990×940×320	1,170×900×320				
	Machine weight		kg	43			78	97		92	97	
	Certified Operation range	Cooling	°CDB	21 to 46								
Piping connections	Liquid (Flare)		mm	ø9.5								
	Gas (Flare)		mm	ø15.9								
	Drain	Indoor unit	mm	VP25 (I.Dø25×O.Dø32)								
		Outdoor unit	mm	ø26.0 (Hole)								
Max. interunit piping length			m	50 (Equivalent length 70)								
Max. installation level difference			m	30								
Heat insulation				Both liquid and gas piping								

Twin Multi

Model Name				125	140	125	140
	Indoor unit			FCQ60LUV1×2	FCQ71LUV1×2	FCQ60LUV1×2	FCQ71LUV1×2
	Outdoor unit			RZR125LVVM	RZR140LVVM	RZR125LUY1	RZR140LUY1
Power supply	Outdoor unit			1 Phase, 220–240 V, 50 Hz		3 Phase, 380–415 V, 50 Hz	
Cooling capacity[1,2] Rated (Min. - Max.)			kW	12.5 (5.7-14.0)	14.0 (6.2-15.4)	12.5 (5.7-14.0)	14.0 (6.2-15.4)
Power consumption	Cooling[1]		kW	3.68	4.91	3.68	4.91
COP			W/W	3.40	2.85	3.40	2.85
Indoor unit	Colour	Unit		———			
		Decoration panel		Fresh white			
	Airflow rate (H/L)		m³/min	21/13.5			
			cfm	741/477			
	Sound level (H/L)[3]		dB(A)	35/28			
	Dimensions (H×W×D)	Unit	mm	256×840×840			
		Decoration panel	mm	50×950×950			
	Machine weight	Unit	kg	21			
		Decoration panel	kg	5.5			
	Certified Operation range	Cooling	°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	2.4	3.1	2.4	3.1
	Refrigerant charge (R-410A)		kg	3.15 (Charged for 30 m)		3.7 (Charged for 30 m)	
	Sound level[3]	Cooling	dB(A)	50			
		Night quiet mode	dB(A)	45	46	45	46
	Dimensions (H×W×D)		mm	1,170×900×320			
	Machine weight		kg	97			
	Certified Operation range	Cooling	°CDB	21 to 46			
Piping connections	Liquid (Flare)		mm	ø9.5			
	Gas (Flare)		mm	ø15.9			
	Drain	Indoor unit	mm	VP25 (I.Dø25×O.Dø32)			
		Outdoor unit	mm	ø26.0 (Hole)			
Max. interunit piping length			m	50 (Equivalent length 70)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
[2]Capacities are net, including a deduction for cooling for indoor fan motor heat.
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE Cooling only

Model Name				25	35	50	60
	Indoor unit			FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
	Outdoor unit			RKS25AVMG	RKS35AVMG	RKS50AVMG	RKS60AVMG
Power supply	Outdoor unit			1 Phase, 220–240 V, 50 Hz			
Cooling capacity[1] Rated (Min. - Max.)			kW	2.5 (1.2-3.0)	3.4 (1.2-3.7)	4.7 (1.7-5.6)	5.8 (1.7-6.0)
Power consumption	Cooling[1]		kW	0.73	1.10	1.62	2.07
COP			W/W	3.42	3.09	2.90	2.80
Indoor unit	Colour	Unit		———			
		Decoration panel		White			
	Airflow rate (H/L)		m³/min	9/6.5	10/6.5	12/8	15/10
			cfm	317/229	353/229	423/282	529/353
	Sound level (H/L)[2]		dB(A)	29.5/24.5	32/25	36/27	41/32
	Dimensions (H×W×D)	Unit	mm	286×575×575			
		Decoration panel	mm	55×700×700			
	Machine weight	Unit	kg	17.5			
		Decoration panel	kg	2.7			
	Certified operation range		°CWB	14 to 23			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed swing type			
		Motor output	kW	0.6		1.1	
	Refrigerant charge (R-410A)		kg	1.0 (Charged for 10 m)		1.5 (Charged for 10 m)	
	Sound level[2]		dB(A)	46	47		49
	Dimensions (H×W×D)		mm	550×765×285		735×825×300	
	Machine weight		kg	34		47	
	Certified operation range		°CDB	10 to 46			
Piping connections	Liquid (Flare)		mm	ø6.4			
	Gas (Flare)		mm	ø9.5		ø12.7	
	Drain	Indoor unit	mm	VP20 (I.Dø20×O.Dø26)			
		Outdoor unit	mm	ø18.0 (Hole)			
Max. interunit piping length			m	20		30	
Max. installation level difference			m	15		20	
Heat insulation				Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

CEILING SUSPENDED TYPE Cooling only

Model Name				35
	Indoor unit			FHQ35BVV1B
	Outdoor unit			RKS35AVMG
Power supply	Outdoor unit			1 Phase, 220–240 V, 50 Hz
Cooling capacity[1] Rated (Min. - Max.)			kW	3.4 (1.2-3.7)
Power consumption	Cooling[1]		kW	1.05
COP			W/W	3.24
Indoor unit	Colour			White
	Airflow rate (H/L)		m³/min	13/10
			cfm	458/353
	Sound level (H/L)[2]		dB(A)	37/32
	Dimensions (H×W×D)		mm	195×960×680
	Machine weight		kg	24
	Certified operation range		°CWB	14 to 23
Outdoor unit	Colour			Ivory white
	Compressor	Type		Hermetically sealed swing type
		Motor output	kW	0.6
	Refrigerant charge (R-410A)		kg	1.0 (Charged for 10 m)
	Sound level[2]		dB(A)	47
	Dimensions (H×W×D)		mm	550×765×285
	Machine weight		kg	34
	Certified operation range		°CDB	10 to 46
Piping connections	Liquid (Flare)		mm	ø6.4
	Gas (Flare)		mm	ø9.5
	Drain	Indoor unit	mm	VP20 (I.Dø20×O.Dø26)
		Outdoor unit	mm	ø18.0 (Hole)
Max. interunit piping length			m	20
Max. installation level difference			m	15
Heat insulation				Both liquid and gas piping

Note :
[1]Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

SPECIFICATIONS

CEILING SUSPENDED TYPE (Cooling only)

Model Name				50	60	71	100	125	140	100	125
	Indoor unit			FHQ50BVV1V	FHQ60BVV1V	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	FHQ140CAVEB	FHQ100BVV1B	FHQ125BVV1B
	Outdoor unit			RZR50LUV1V	RZR60LUV1V	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1
Power supply	Outdoor unit			1 Phase, 220–240 V, 50 Hz						3 Phase, 380–415 V, 50 Hz	
Cooling capacity[1,2] Rated (Min. - Max.)			kW	5.0 (2.3-5.6)	5.8 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.3 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)
Power consumption		Cooling[1]	kW	1.60	1.99	2.50	3.51	4.55	4.68	3.51	4.55
COP			W/W	3.13	2.92	2.84	2.85	2.75	2.84	2.85	2.75
Indoor unit	Colour			White					Fresh white	White	
	Airflow rate (H/M/L)		m³/min	17/-/14			24/-/20	30/-/25	34/29/24	24/-/20	30/-/25
			cfm	600/-/494			847/-/706	1,059/-/883	1,200/1,024/847	847/-/706	1,059/-/883
	Sound level (H/M/L)[3]		dB(A)	39/-/35			42/-/37	44/-/39	46/42/38	42/-/37	44/-/39
	Dimensions (H×W×D)		mm	195×1,160×680			195×1,400×680	195×1,590×680	235×1,590×690	195×1,400×680	195×1,590×680
	Machine weight		kg	27			32	35	38	32	35
	Certified operation range		°CWB	14 to 25							
Outdoor unit	Colour			Ivory white							
	Compressor	Type		Hermetically sealed swing type				Hermetically sealed scroll type			
		Motor output	kW	1.12	1.35	1.76	2.03	2.6	3.1	2.1	2.6
	Refrigerant charge (R-410A)		kg	1.6 (Charged for 30 m)			2.7 (Charged for 30 m)	3.15 (Charged for 30 m)		2.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level[3]	Cooling	dB(A)	48			49	50		49	50
		Night quiet mode	dB(A)	44			45	46		45	
	Dimensions (H×W×D)		mm	595×845×300			990×940×320	1,170×900×320			
	Machine weight		kg	43			78	97		92	97
	Certified operation range		°CDB	21 to 46							
Piping connections	Liquid (Flare)		mm	ø9.5							
	Gas (Flare)		mm	ø15.9							
	Drain	Indoor unit	mm	VP20 (I.Dø20×O.Dø26)							
		Outdoor unit	mm	ø26.0 (Hole)							
Max. interunit piping length			m	50 (Equivalent length 70)							
Max. installation level difference			m	30							
Heat insulation				Both liquid and gas piping							

Twin Multi

Model Name				125	140	125	140
	Indoor unit			FHQ60BVV1Gx2	FHQ71BVV1Bx2	FHQ60BVV1Gx2	FHQ71BVV1Bx2
	Outdoor unit			RZR125LVVM	RZR140LVVM	RZR125LUY1	RZR140LUY1
Power supply	Outdoor unit			1 Phase, 220–240 V, 50 Hz		3 Phase, 380–415 V, 50 Hz	
Cooling capacity[1,2] Rated (Min. - Max.)			kW	12.5 (5.7-14.0)	13.3 (6.2-15.4)	12.5 (5.7-14.0)	13.3 (6.2-15.4)
Power consumption		Cooling[1]	kW	4.55	5.32	4.55	5.32
COP			W/W	2.75	2.50	2.75	2.50
Indoor unit	Colour			White			
	Airflow rate (H/L)		m³/min	17/14			
			cfm	600/494			
	Sound level (H/L)[3]		dB(A)	39/35			
	Dimensions (H×W×D)		mm	195×1,160×680			
	Machine weight		kg	27			
	Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	2.4	3.1	2.6	2.9
	Refrigerant charge (R-410A)		kg	3.15 (Charged for 30 m)		3.7 (Charged for 30 m)	
	Sound level[3]	Cooling	dB(A)	50			
		Night quiet mode	dB(A)	45	46	45	46
	Dimensions (H×W×D)		mm	1,170×900×320			
	Machine weight		kg	97			
	Certified operation range		°CDB	21 to 46			
Piping connections	Liquid (Flare)		mm	ø9.5			
	Gas (Flare)		mm	ø15.9			
	Drain	Indoor unit	mm	VP20 (I.Dø20×O.Dø26)			
		Outdoor unit	mm	ø26.0 (Hole)			
Max. interunit piping length			m	50 (Equivalent length 70)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
[2]Capacities are net, including a deduction for cooling for indoor fan motor heat.
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE (Cooling only)

Model Name				50	60	71	100	125	140	100	125	140
	Indoor unit			FBQ50DV1V	FBQ60DV1V	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1
	Outdoor unit			RZR50LUV1V	RZR60LUV1V	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1	RZR140LUY1
Power supply	Indoor unit			1 Phase, 220–240 V, 50 Hz								
	Outdoor unit			1 Phase, 220–240 V, 50 Hz						3 Phase, 380–415 V, 50 Hz		
Cooling capacity[1,2] Rated (Min. - Max.)			kW	5.0 (2.3-5.6)	5.8 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)
Power consumption		Cooling[1]	kW	1.39	1.63	2.22	2.82	3.73	4.71	2.82	3.73	4.71
COP			W/W	3.60	3.56	3.20	3.55	3.35	2.97	3.55	3.35	2.97
Indoor unit	Colour			———								
	Fan	Airflow rate (H/L) Cooling	m³/min	18/15			32/23	39/28		32/23	39/28	
			cfm	635/530			1,130/812	1,377/988		1,130/812	1,377/988	
	External static pressure (Middle-High)		Pa	50-200[3]								
	Sound level[4]	Cooling (H/L)	dB(A)	37/32			38/33	40/36		38/33	40/36	
	Air filter			———[5]								
	Dimensions (H×W×D)		mm	300×1,000×700			300×1,400×700					
	Machine weight		kg	36			46					
	Certified Operation range	Cooling	°CWB	14 to 25								
Outdoor unit	Colour			Ivory white								
	Compressor	Type		Hermetically sealed swing type						Hermetically sealed scroll type		
		Motor output	kW	1.12	1.35	1.76	2.03	2.4	2.9	1.8	2.4	2.9
	Refrigerant charge (R-410A)		kg	1.6 (Charged for 30 m)			2.7 (Charged for 30 m)	3.15 (Charged for 30 m)		2.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
	Sound level[4]	Cooling	dB(A)	48			49	50		49	50	
		Night quiet mode	dB(A)	44			45		46	45		46
	Dimensions (H×W×D)		mm	595×845×300			990×940×320	1,170×900×320				
	Machine weight		kg	43			78	97		92	97	
	Certified Operation range	Cooling	°CDB	21 to 46								
Piping connections	Liquid (Flare)		mm	ø9.5								
	Gas (Flare)		mm	ø15.9								
	Drain	Indoor unit	mm	VP25 (I.Dø25×O.Dø32)								
		Outdoor unit	mm	ø26.0 (Hole)								
Max. interunit piping length			m	50 (Equivalent length 70)								
Max. installation level difference			m	30								
Heat insulation				Both liquid and gas piping								

Twin Multi

Model Name				125	140	125	140
	Indoor unit			FBQ60DV1x2	FBQ71DV1x2	FBQ60DV1x2	FBQ71DV1x2
	Outdoor unit			RZR125LVVM	RZR140LVVM	RZR125LUY1	RZR140LUY1
Power supply	Indoor unit			1 Phase, 220–240 V, 50 Hz			
	Outdoor unit			1 Phase, 220–240 V, 50 Hz		3 Phase, 380–415 V, 50 Hz	
Cooling capacity[1,2] Rated (Min. - Max.)			kW	12.5 (5.7-14.0)	14.0 (6.2-15.4)	12.5 (5.7-14.0)	14.0 (6.2-15.4)
Power consumption		Cooling[1]	kW	3.73	4.71	3.73	4.71
COP			W/W	3.35	2.97	3.35	2.97
Indoor unit	Colour			———			
	Fan	Airflow rate (H/L) Cooling	m³/min	18/15			
			cfm	635/530			
		External static pressure (Middle-High)	Pa	50-200[3]			
	Sound level[4]	Cooling (H/L)	dB(A)	37/32			
	Air filter			———[5]			
	Dimensions (H×W×D)		mm	300×1,000×700			
	Machine weight		kg	36			
	Certified Operation range	Cooling	°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	2.4	2.9	2.4	2.9
	Refrigerant charge (R-410A)		kg	3.15 (Charged for 30 m)		3.7 (Charged for 30 m)	
	Sound level[4]	Cooling	dB(A)	50		50	
		Night quiet mode	dB(A)	45	46	45	46
	Dimensions (H×W×D)		mm	1,170×900×320			
	Machine weight		kg	97			
	Certified Operation range	Cooling	°CDB	21 to 46			
Piping connections	Liquid (Flare)		mm	ø9.5			
	Gas (Flare)		mm	ø15.9			
	Drain	Indoor unit	mm	VP25 (I.Dø25×O.Dø32)			
		Outdoor unit	mm	ø26.0 (Hole)			
Max. interunit piping length			m	50 (Equivalent length 70)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions: Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)
[2]Capacities are net, including a deduction for cooling for indoor fan motor heat.
[3]Initial setting is standard.
[4]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
[5]Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency(gravity method) 50% or more.

SPECIFICATIONS

FLOOR STANDING TYPE Cooling only

Model Name					50	60	71	100	125	140	100	125	140
	Indoor unit				FVQ50CVE	FVQ60CVE	FVQ71CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB
	Outdoor unit				RZR50LVVM	RZR60LVVM	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM	RZR100LUY1	RZR125LUY1	RZR140LUY1
Power supply	Outdoor unit				1 Phase, 220–240 V, 50 Hz/220–230 V, 60 Hz						3 Phase, 380–415 V, 50 Hz		
Cooling capacity[1,2] Rated (Min. - Max.)				kW	5.0 (2.3-5,6)	6.0 (2.6-6.3)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.5 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.5 (6.2-15.4)
Power consumption			Cooling[1]	kW	1.27	1.84	2.58	3.28	4.39	5.40	3.28	4.39	5.40
COP				W/W	3.94	3.26	2.75	3.05	2.85	2.50	3.05	2.85	2.50
Indoor unit	Colour				Fresh white								
	Fan	Airflow rate (H/M/L)	Cooling	m^3/min	18/16/14			28/25/22	28/26/24	30/28/26	28/25/22	28/26/24	30/28/26
				cfm	635/565/494			988/883/777	988/918/847	1,059/988/918	988/883/777	988/918/847	1,059/988/918
	Sound level[3]	Cooling (H/M/L)		dB(A)	43/41/38			50/47/44	51/48/46	53/51/48	50/47/44	51/48/46	53/51/48
	Dimensions (H×W×D)			mm	1,850×600×270			1,850×600×350					
	Machine weight			kg	39			47					
	Certified Operation range		Cooling	°CWB	14 to 25								
Outdoor unit	Colour				Ivory white								
	Compressor		Type		Hermetically sealed swing type			Hermetically sealed scroll type					
			Motor output	kW	1.12	1.35	1.76	2.03	2.4	3.1	2.3	2.8	3.4
	Refrigerant charge (R-410A)			kg	1.6 (Charged for 30 m)			2.7 (Charged for 30 m)	3.15 (Charged for 30 m)		2.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
	Sound level[3]	Cooling		dB(A)	48			49	50		49	50	
		Night quiet mode		dB(A)	44			45	46		45	46	
	Dimensions (H×W×D)			mm	595×845×300			990×940×320	1,170×900×320				
	Machine weight			kg	43			78	97		92	97	
	Certified Operation range		Cooling	°CDB	21 to 46								
Piping connections	Liquid (Flare)			mm	ø9.5								
	Gas (Flare)			mm	ø15.9								
	Drain		Indoor unit	mm	VP20 (I.Dø20×O.Dø26)								
			Outdoor unit	mm	ø26.0 (Hole)								
Max. interunit piping length				m	50 (Equivalent length 70)								
Max. installation level difference				m	30								
Heat insulation					Both liquid and gas piping								

Twin Multi

Model Name				125	140	125	140
	Indoor unit			FVQ60CVEx2	FVQ71CVEBx2	FVQ60CVEx2	FVQ71CVEBx2
	Outdoor unit			RZR125LVVM	RZR140LVVM	RZR125LUY1	RZR140LUY1
Power supply	Outdoor unit			1 Phase, 220–240 V, 50 Hz/220–230 V, 60 Hz		3 Phase, 380–415 V, 50 Hz	
Cooling capacity[1,2] Rated (Min. - Max.)			kW	12.5 (5.7-14.0)	13.5 (6.2-15.4)	12.5 (5.7-14.0)	13.5 (6.2-15.4)
Power consumption		Cooling[1]	kW	4.39	5.40	4.39	5.40
COP			W/W	2.85	2.50	2.85	2.50
Indoor unit	Colour			Fresh white			
	Fan	Airflow rate (H/M/L) Cooling	m^3/min	18/16/14			
			cfm	635/565/494			
	Sound level[3]	Cooling (H/M/L)	dB(A)	43/41/38			
	Dimensions (H×W×D)		mm	1,850×600×270			
	Machine weight		kg	39			
	Certified Operation range	Cooling	°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	2.4	3.1	2.8	3.4
	Refrigerant charge (R-410A)		kg	3.15 (Charged for 30 m)		3.7 (Charged for 30 m)	
	Sound level[3]	Cooling	dB(A)	50			
		Night quiet mode	dB(A)	45	46	45	46
	Dimensions (H×W×D)		mm	1,170×900×320			
	Machine weight		kg	97			
	Certified Operation range	Cooling	°CDB	21 to 46			
Piping connections	Liquid (Flare)		mm	ø9.5			
	Gas (Flare)		mm	ø15.9			
	Drain	Indoor unit	mm	VP20 (I.Dø20×O.Dø26)			
		Outdoor unit	mm	ø26.0 (Hole)			
Max. interunit piping length			m	50 (Equivalent length 70)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions: Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)
[2]Capacities are net, including a deduction for cooling for indoor fan motor heat.
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

CEILING MOUNTED CASSETTE TYPE Heat pump

Model Name					50	60	71	100	125	140	100	125	140
	Indoor unit				FCQ50LUV1V	FCQ60LUV1V	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1
	Outdoor unit				RZQ50KBV1V	RZQ60KBV1V	RZQ71KCV4A	RZQ100KCV4A	RZQ125KCV4A	RZQ140KCV4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A
Power supply	Outdoor unit				1 Phase, 220–240 V, 50 Hz		1 Phase, 240 V, 50 Hz				3 Phase, 415 V, 50 Hz		
Cooling capacity[1] Rated (Min. - Max.)				kW	5.0 (2.5-5.6)	5.8 (2.9-6.0)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.6 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.6 (6.2-15.4)
Heating capacity[2] Rated (Min. - Max.)				kW	6.0 (3.5-7.0)	7.0 (3.5-8.0)	8.0 (3.5-9.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)
Power consumption			Cooling[1]	kW	1.27	1.51	1.99	2.94	4.02	4.54	2.94	3.77	4.39
			Heating[2]	kW	1.41	1.74	2.10	3.03	3.83	4.80	3.03	3.83	4.80
COP			Cooling	W/W	3.93	3.84	3.57	3.40	3.11	3.00	3.40	3.32	3.10
			Heating	W/W	4.26	4.03	3.81	3.70	3.66	3.33	3.70	3.66	3.33
Indoor unit	Colour		Unit		———								
			Decoration panel		Fresh white								
	Fan	Airflow rate (H/L)		m^3/min	21/13.5			32/20	33/22.5		32/20	33/22.5	
				cfm	741/477			1,130/706	1,165/794		1,130/706	1,165/794	
	Sound level (H/L)[3]			dB(A)	35/28			43/32	44/34	44/36	43/32	44/34	44/36
	Dimensions (H×W×D)		Unit	mm	256×840×840			298×840×840					
			Decoration panel	mm	50×950×950								
	Machine weight		Unit	kg	21			24					
			Decoration panel	kg	5.5								
	Certified Operation range		Cooling	°CWB	14 to 25								
			Heating	°CDB	15 to 27								
Outdoor unit	Colour				Ivory white								
	Compressor		Type		Hermetically sealed swing type			Hermetically sealed scroll type					
			Motor output	kW	1.3	1.6	1.7	1.9	2.4	3.1	1.7	2.2	2.9
	Refrigerant charge (R-410A)			kg	2.75 (Charged for 30 m)			3.7 (Charged for 30 m)			4.3 (Charged for 30 m)		
	Sound level		Cooling/Heating[3]	dB(A)	48/50			49/51	50/52		49/51	50/52	
			Night quiet mode	dB(A)	44			45		46	45		46
	Dimensions (H×W×D)			mm	770×900×320			1,170×900×320			1,345×900×320		
	Machine weight			kg	68			98			108		
	Certified Operation range		Cooling	°CDB	-5 to 46								
			Heating	°CWB	-15 to 15.5								
Piping connections	Liquid (Flare)			mm	ø9.5								
	Gas (Flare)			mm	ø15.9								
	Drain		Indoor unit	mm	VP25 (I.Dø25×O.Dø32)								
			Outdoor unit	mm	ø26.0 (Hole)								
Max. interunit piping length				m	30		50 (Equivalent length 70)	75 (Equivalent length 90)					
Max. installation level difference				m	30								
Heat insulation					Both liquid and gas piping								

COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE Heat pump

Model Name					25	35	50	60
	Indoor unit				FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
	Outdoor unit				RXS25EBVMA	RXS35EBVMA	RXS50FVMA	RXS60FVMA
Power supply	Outdoor unit				1 Phase, 220–240 V, 50 Hz			
Cooling capacity[1] Rated (Min. - Max.)				kW	2.5 (1.2-3.0)	3.4 (1.2-3.7)	4.7 (1.7-5.6)	5.8 (1.7-6.0)
Heating capacity[2] Rated (Min. - Max.)				kW	3.2 (1.2-4.5)	4.0 (1.2-5.0)	5.5 (1.7-7.0)	7.0 (1.7-8.0)
Power consumption			Cooling[1]	kW	0.73	1.10	1.62	2.07
			Heating[2]	kW	0.92	1.20	1.88	2.49
COP			Cooling	W/W	3.42	3.09	2.90	2.80
			Heating	W/W	3.48	3.33	2.93	2.81
Indoor unit	Colour		Unit		———			
			Decoration panel		White			
	Airflow rate (H)			m^3/min	9/6.5	10/6.5	12/8	15/10
				cfm	318/229	353/229	424/282	530/353
	Sound level (H/L)[3]			dB(A)	29.5/24.5	32/25	36/27	41/32
	Dimensions (H×W×D)		Unit	mm	286×575×575			
			Decoration panel	mm	55×700×700			
	Machine weight		Unit	kg	17.5			
			Decoration panel	kg	2.7			
	Certified Operation range		Cooling	°CWB	14 to 23			
			Heating	°CDB	10 to 30			
Outdoor unit	Colour				Ivory white			
	Compressor		Type		Hermetically sealed swing type			
			Motor output	kW	0.6		1.1	
	Refrigerant charge (R-410A)			kg	1.0 (Charged for 10 m)		1.5 (Charged for 10 m)	
	Sound level		Cooling/Heating[3]	dB(A)	46/47	47/48		49/49
	Dimensions (H×W×D)			mm	550×765×285		735×825×300	
	Machine weight			kg	34		48	
	Certified Operation range		Cooling	°CDB	10 to 46			
			Heating	°CWB	-15 to 20		-15 to 18	
Piping connections	Liquid (Flare)			mm	ø6.4			
	Gas (Flare)			mm	ø9.5		ø12.7	
	Drain		Indoor unit	mm	VP20 (I.Dø20×O.Dø26)			
			Outdoor unit	mm	ø18.0 (Hole)			
Max. interunit piping length				m	20		30	
Max. installation level difference				m	15		20	
Heat insulation					Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
[2]Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

SPECIFICATIONS

CEILING SUSPENDED TYPE Heat pump

Model Name				35
	Indoor unit			FHQ35BVV1B
	Outdoor unit			RXS35EBVMA
Power supply	Outdoor unit			1 Phase, 220–240 V, 50 Hz
Cooling capacity[1] Rated (Min. - Max.)			kW	3.4 (1.2-3.7)
Heating capacity[2] Rated (Min. - Max.)			kW	4.0 (1.2-5.0)
Power consumption		Cooling[1]	kW	1.05 (0.3-1.23)
		Heating[2]	kW	1.11 (0.29-1.61)
COP		Cooling	W/W	3.24 (4.00-3.01)
		Heating	W/W	3.60 (4.14-3.11)
Indoor unit	Colour			White
	Airflow rate (H/L)		m³/min	13/10
			cfm	459/353
	Sound level (H/L)[3]		dB(A)	37/32
	Dimensions (H×W×D)		mm	195×960×680
	Machine weight		kg	24
	Certified Operation range	Cooling	°CWB	14 to 23
		Heating	°CDB	10 to 30
Outdoor unit	Colour			Ivory white
	Compressor	Type		Hermetically sealed swing type
		Motor output	kW	0.6
	Refrigerant charge (R-410A)		kg	1.0 (Charged for 10 m)
	Sound level	Cooling/Heating[3]	dB(A)	47/48
	Dimensions (H×W×D)		mm	550×765×285
	Machine weight		kg	34
	Certified Operation range	Cooling	°CDB	10 to 46
		Heating	°CWB	-15 to 20
Piping connections	Liquid (Flare)		mm	ø6.4
	Gas (Flare)		mm	ø9.5
	Drain	Indoor unit	mm	VP20 (I.Dø20×O.Dø26)
		Outdoor unit	mm	ø18.0 (Hole)
Max. interunit piping length			m	20
Max. installation level difference			m	**15**
Heat insulation				Both liquid and gas piping

CEILING SUSPENDED TYPE Heat pump

Model Name				50	60	71	100	125	140	100	125	140
	Indoor unit			FHQ50BVV1V	FHQ60BVV1V	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	FHQ140CAVEA	FHQ100BVV1B	FHQ125BVV1B	FHQ140CAVEA
	Outdoor unit			RZQ50KBV1V	RZQ60KBV1V	RZQ71KCV4A	RZQ100KCV4A	RZQ125KCV4A	RZQ140KCV4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A
Power supply	Outdoor unit			1 Phase, 220-240 V, 50 Hz		1 Phase, 240 V, 50 Hz				3 Phase, 415 V, 50 Hz		
Cooling capacity[1] Rated (Min. - Max.)			kW	5.0 (2.5-5.6)	5.8 (2.9-6.0)	5.8 (3.2-8.0)	9.2 (5.0-11.2)	11.2 (5.7-14.0)	13.2 (6.2-15.4)	9.2 (5.0-11.2)	11.2 (5.7-14.0)	13.2 (6.2-15.4)
Heating capacity[2] Rated (Min. - Max.)			kW	6.0 (3.5-7.0)	7.0 (3.5-8.0)	7.5 (3.5-9.0)	10.5 (5.1-12.8)	13.5 (6.0-16.2)	16.0 (6.2-18.0)	10.5 (5.1-12.8)	13.5 (6.0-16.2)	16.0 (6.2-18.0)
Power consumption		Cooling[1]	kW	1.39	1.63	1.77	2.93	3.70	4.40	2.85	3.55	4.33
		Heating[2]	kW	1.67	2.05	2.32	3.33	4.35	5.00	3.26	4.35	4.93
COP		Cooling	W/W	3.60	3.56	3.28	3.14	3.03	3.00	3.23	3.15	3.04
		Heating	W/W	3.60	3.42	3.23	3.15	3.10	3.20	3.22	3.10	3.24
Indoor unit	Colour			White					Fresh white	White		Fresh white
	Fan	Airflow rate (H/M/L)	m³/min	17/-/14			24/-/20	30/-/25	34/29/24	24/-/20	30/-/25	34/29/24
			cfm	600/-/494			847/-/706	1,059/-/883	1,200/1,024/847	847/-/706	1,059/-/883	1,200/1,024/847
	Sound level (H/M/L)[3]		dB(A)	39/-/35			42/-/37	44/-/39	46/42/38	42/-/37	44/-/39	46/42/38
	Dimensions (H×W×D)		mm	195×1,160×680			195×1,400×680	195×1,590×680	235×1,590×690	195×1,400×680	195×1,590×680	235×1,590×690
	Machine weight		kg	27			32	35	38	32	35	38
	Certified Operation range	Cooling	°CWB	14 to 25								
		Heating	°CDB	15 to 27								
Outdoor unit	Colour			Ivory white								
	Compressor	Type		Hermetically sealed swing type			Hermetically sealed scroll type					
		Motor output	kW	1.3	1.6	1.7	1.9	2.4	3.1	2.3	2.7	2.9
	Refrigerant charge (R-410A)		kg	2.75 (Charged for 30 m)			3.7 (Charged for 30 m)			4.3 (Charged for 30 m)		
	Sound level	Cooling/Heating[3]	dB(A)	48/50			49/51	50/52		49/51	50/52	
		Night quiet mode	dB(A)	44			45		46	45		46
	Dimensions (H×W×D)		mm	770×900×320			1,170×900×320			1,345×900×320		
	Machine weight		kg	68			98			108		
	Certified Operation range	Cooling	°CDB	-5 to 46								
		Heating	°CWB	-15 to 15.5								
Piping connections	Liquid (Flare)		mm	ø9.5								
	Gas (Flare)		mm	ø15.9								
	Drain	Indoor unit	mm	VP20 (I.Dø20×O.Dø26)								
		Outdoor unit	mm	ø26.0 (Hole)								
Max. interunit piping length			m	30		50 (equivalent length 70)	75 (equivalent length 90)					
Max. installation level difference			m	30								
Heat insulation				Both liquid and gas piping								

Note :
[1]Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
[2]Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

CEILING MOUNTED SLIM DUCT TYPE Heat pump

Model Name				25	35	50	60
	Indoor unit			FDXS25CVMA	FDXS35CVMA	FDXS50CVMA	FDXS60CVMA
	Outdoor unit			RXS25EBVMA	RXS35EBVMA	RXS50FAVMA	RXS60FVMA
Power supply	Outdoor unit			1 Phase, 220–240 V, 50 Hz			
Cooling capacity[1] Rated (Min. - Max.)			kW	2.4 (1.2-3.0)	3.4 (1.2-3.8)	5.0 (1.7-5.3)	6.0 (1.7-6.5)
Heating capacity[2] Rated (Min. - Max.)			kW	3.2 (1.2-4.5)	4.0 (1.2-5.0)	5.8 (1.7-6.0)	7.0 (1.7-8.0)
Power consumption		Cooling[1]	kW	0.69 (0.3-0.92)	1.09 (0.3-1.27)	1.65 (0.44-1.93)	2.13 (0.44-2.49)
		Heating[2]	kW	0.91 (0.29-1.49)	1.18 (0.29-1.79)	1.92 (0.4-2.04)	2.32 (0.4-3.18)
COP		Cooling	W/W	3.48 (4.00-3.26)	3.12 (4.00-2.99)	3.03 (3.86-2.75)	2.82 (3.86-2.61)
		Heating	W/W	3.52 (4.14-3.02)	3.39 (4.14-2.79)	3.02 (4.25-2.94)	3.02 (4.25-2.52)
Indoor unit	Colour			———			
	Airflow rate (H/M/L/SL)		m³/min	9.5/8.8/8.0/6.7	10.0/9.3/8.5/7.0	12.0/11.0/10.0/8.4	16.0/14.8/13.5/11.2
			cfm	335/311/282/237	353/328/300/247	424/388/353/297	565/523/477/395
	Fan	External static pressure	Pa(mmH₂O)	40			
	Sound level (H/M/L/SL)[3]		dB(A)	35/33/31/29		37/35/33/31	38/36/34/32
	Dimensions (H×W×D)		mm	200×900×620			200×1,100×620
	Machine weight		kg	25		27	30
	Certified Operation range	Cooling	°CWB	14 to 23			
		Heating	°CDB	10 to 30			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed swing type			
		Motor output	kW	0.6		1.1	
	Refrigerant charge (R-410A)		kg	1.0 (Charged for 10 m)		1.5 (Charged for 10 m)	
	Sound level[3]	Cooling (H/L)	dB(A)	47/44			49/46
		Heating (H/L)	dB(A)	48/45			49/46
	Dimensions (H×W×D)		mm	550×765×285		735×825×300	
	Machine weight		kg	34		48	
	Certified Operation range	Cooling	°CDB	10 to 46			
		Heating	°CWB	-15 to 20		-15 to 18	
Piping connections	Liquid (Flare)		mm	ø6.4			
	Gas (Flare)		mm	ø9.5		ø12.7	
	Drain	Indoor unit	mm	VP20 (I.Dø20×O.Dø26)			
		Outdoor unit	mm	ø18.0 (Hole)			
Max. interunit piping length			m	20		30	
Max. installation level difference			m	15		20	
Heat insulation				Both liquid and gas piping			

Note :
[1]Rated cooling capacities are based on the following conditions: Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
[2]Rated heating capacities are based on the following conditions: Suction temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal).
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

CEILING MOUNTED BUILT-IN TYPE Heat pump

Model Name				50	60	71
	Indoor unit			FBQ50BV1A	FBQ60BV1A	FBQ71BV1A
	Outdoor unit			RXS50FAVMA	RXS60FVMA	RXS71FVMA
Power supply	Outdoor unit			1 Phase, 220–240 V, 50 Hz		
Cooling capacity[1] Rated (Min. - Max.)			kW	5.0 (1.7-5.6)	5.7 (1.7-7.0)	6.7 (2.3-8.0)
Heating capacity[2] Rated (Min. - Max.)			kW	6.0 (1.7-7.0)	7.0 (1.7-8.0)	8.2 (2.3-10.0)
Power consumption		Cooling[1]	kW	1.98 (0.44-2.25)	2.23 (0.44-2.83)	2.57 (0.57-3.26)
		Heating[2]	kW	1.93 (0.4-2.52)	2.26 (0.4-2.94)	2.67 (0.45-3.85)
COP		Cooling	W/W	2.53 (3.86-2.49)	2.56 (3.86-2.47)	2.61 (4.04-2.45)
		Heating	W/W	3.11 (4.25-2.78)	3.10 (4.25-2.72)	3.07 (5.11-2.60)
Indoor unit	Colour			———		
	Fan	Air flow rate (H/L) Cooling	m³/min	13/9	18/13	
			cfm	459/318	636/459	
		Heating	m³/min	14/10	19/14	
			cfm	494/353	671/494	
	External static pressure[3] (High-Standard-Low)		Pa	88-49-20		
	Sound level (H/L)[4]		dB(A)	33/29	34/30	
	Dimensions (H×W×D)		mm	300×700×800	300×1000×800	
	Machine weight		kg	34	41	
	Certified Operation range	Cooling	CWB	14 to 23		
		Heating	CDB	10 to 30		
Outdoor unit	Colour			Ivory white		
	Compressor	Type		Hermetically sealed swing type		
		Motor output	kW	1.1		1.92
	Refrigerant charge (R-410A)		kg	1.5 (Charged for 10 m)		2.3 (Charged for 10 m)
	Sound level[4]	Cooling/Heating	dB(A)	47/48	49/49	52/52
	Dimensions (H×W×D)		mm	735×825×300		770×900×320
	Machine weight		kg	48		71
	Certified Operation range	Cooling	CDB	10 to 46		
		Heating	CWB	-15 to 18		
Piping connections	Liquid		mm	ø6.4		
	Gas		mm	ø12.7		ø15.9
	Drain	Indoor unit	mm	VP25 (I.Dø25×O.Dø32)		
		Outdoor unit	mm	ø18.0		
Max. interunit piping length			m	30		
Max. installation level difference			m	20		
Heat insulation				Both liquid and gas piping		

Note :
[1]Rated cooling capacities are based on the following conditions: Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)
[2]Rated heating capacities are based on the following conditions: Suction temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)
[3]Initial setting is standard.
[4]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

SPECIFICATIONS

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE Heat pump

Model Name				50	60	71	100	125	140	100	125	140
	Indoor unit			FBQ50DV1V	FBQ60DV1V	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1
	Outdoor unit			RZQ50KBV1V	RZQ60KBV1V	RZQ71KCV4A	RZQ100KCV4A	RZQ125KCV4A	RZQ140KCV4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A
Power supply	Indoor unit			1 Phase, 220-240 V, 50 Hz								
	Outdoor unit			1 Phase, 220-240 V, 50 Hz		1 Phase, 240 V, 50 Hz				3 Phase, 415 V, 50 Hz		
Cooling capacity[1,3] Rated (Min. - Max.)			kW	5.0 (2.5-5.6)	5.8 (2.9-6.0)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.1 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.1 (6.2-15.4)
Heating capacity[2,3] Rated (Min. - Max.)			kW	6.0 (3.5-7.0)	7.0 (3.5-8.0)	8.0 (3.5-9.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)
Power consumption	Cooling[1]		kW	1.35	1.59	2.22	3.17	3.97	4.16	3.17	3.97	4.16
	Heating[2]		kW	1.38	1.76	2.43	3.15	3.95	4.68	3.15	3.95	4.68
COP	Cooling		W/W	3.70	3.65	3.20	3.15					
	Heating		W/W	4.35	3.98	3.29	3.56	3.54	3.42	3.56	3.54	3.42
Indoor unit	Colour			—								
	Fan	Airflow rate (H/L)	m³/min	18/15			32/23	39/28		32/23	39/28	
			cfm	635/530			1,130/812	1,377/988		1,130/812	1,377/988	
	External static pressure (Middle-High)		Pa	50-200 [4]								
	Sound level (H/L)[5]		dB(A)	37/32			38/33	40/36		38/33	40/36	
	Air filter			— [6]								
	Dimensions (H×W×D)		mm	300×1,000×700			300×1,400×700					
	Machine weight		kg	36			46					
	Certified Operation range	Cooling	°CWB	14 to 25								
		Heating	°CDB	15 to 27								
Outdoor unit	Colour			Ivory white								
	Compressor	Type		Hermetically sealed swing type			Hermetically sealed scroll type					
		Motor output	kW	1.3	1.6	1.7	1.9	2.4	2.9	1.9	2.4	2.9
	Refrigerant charge (R-410A)		kg	2.75 (Charged for 30 m)			3.7 (Charged for 30 m)			4.3 (Charged for 30 m)		
	Sound level	Cooling/Heating[5]	dB(A)	48/50			49/51	50/52		49/51	50/52	
		Night quiet mode	dB(A)	44			45		46	45		46
	Dimensions (H×W×D)		mm	770×900×320			1,170×900×320			1,345×900×320		
	Machine weight		kg	68			98			108		
	Certified Operation range	Cooling	°CDB	-5 to 46								
		Heating	°CWB	-15 to 15.5								
Piping connections	Liquid (Flare)		mm	ø9.5								
	Gas (Flare)		mm	ø15.9								
	Drain	Indoor unit	mm	VP25 (I.Dø25×O.Dø32)								
		Outdoor unit	mm	ø26.0 (Hole)								
Max. interunit piping length			m	30		50 (Equivalent length 70)	75 (Equivalent length 90)					
Max. installation level difference			m	30								
Heat insulation				Both liquid and gas piping								

Note :
[1]Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
[2]Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB, outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)
[3]Capacities are net, including a deduction for cooling for indoor fan motor heat.
[4]Initial setting is standard.
[5]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
[6]Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency(gravity method) 50% or more.

FLOOR STANDING TYPE Heat pump

Model Name				50	60	71	100	125	140	100	125	140
	Indoor unit			FVQ50CVE	FVQ60CVE	FVQ71CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB
	Outdoor unit			RZQ50KBV4A	RZQ60KBV4A	RZQ71KCV4A	RZQ100KCV4A	RZQ125KCV4A	RZQ140KCV4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A
Power supply	Outdoor unit			1 Phase, 240 V, 50 Hz						3 Phase, 415 V, 50 Hz		
Cooling capacity[1] Rated (Min. - Max.)			kW	5.0 (3.2-5.6)	5.8 (3.2-6.0)	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.5 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.5 (6.2-15.4)
Heating capacity[2] Rated (Min. - Max.)			kW	6.0 (3.5-7.0)	7.0 (3.5-8.0)	8.0 (3.5-9.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)
Power consumption	Cooling[1]		kW	1.27	1.78	2.33	3.28	4.39	5.40	3.28	4.39	5.40
	Heating[2]		kW	1.52	2.15	2.61	3.67	4.26	5.28	3.67	4.26	5.28
COP	Cooling		W/W	3.94	3.26	3.05		2.85	2.50	3.05	2.85	2.50
	Heating		W/W	3.94	3.26	3.07	3.05	3.29	3.03	3.05	3.29	3.03
Indoor unit	Colour			Fresh white								
	Fan	Airflow rate (H/M/L)	m³/min	18/16/14			28/25/22	28/26/24	30/28/26	28/25/22	28/26/24	30/28/26
			cfm	635/565/494			988/883/777	988/918/847	1,059/988/918	988/883/777	988/918/847	1,059/988/918
	Sound level (H/M/L)[3]		dB(A)	43/41/38			50/47/44	51/48/46	53/51/48	50/47/44	51/48/46	53/51/48
	Dimensions (H×W×D)		mm	1,850×600×270			1,850×600×350					
	Machine weight		kg	39			47					
	Certified Operation range	Cooling	°CWB	14 to 25								
		Heating	°CDB	15 to 27								
Outdoor unit	Colour			Ivory white								
	Compressor	Type		Hermetically sealed swing type			Hermetically sealed scroll type					
		Motor output	kW	1.3	1.6	1.7	1.9	2.4	3.1	1.7	2.2	2.9
	Refrigerant charge (R-410A)		kg	2.75 (Charged for 30 m)			3.7 (Charged for 30 m)			4.3 (Charged for 30 m)		
	Sound level	Cooling/Heating[3]	dB(A)	48/50			49/51	50/52		49/51	50/52	
		Night quiet mode	dB(A)	44			45		46	45		46
	Dimensions (H×W×D)		mm	770×900×320			1,170×900×320			1,345×900×320		
	Machine weight		kg	68			98			108		
	Certified Operation range	Cooling	°CDB	-5 to 46								
		Heating	°CWB	-15 to 15.5								
Piping connections	Liquid (Flare)		mm	ø9.5								
	Gas (Flare)		mm	ø15.9								
	Drain	Indoor unit	mm	VP20 (I.Dø20×O.Dø26)								
		Outdoor unit	mm	ø26.0 (Hole)								
Max. interunit piping length			m	30		50 (Equivalent length 70)	75 (Equivalent length 90)					
Max. installation level difference			m	30								
Heat insulation				Both liquid and gas piping								

Note :
[1]Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).
[2]Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)
[3]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

OPTIONS

Indoor unit

CEILING MOUNTED CASSETTE TYPE

Name of option		Remark		Kit name					
				FCQ50LUV1V	FCQ60LUV1V / FCQ60LUV1	FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1
Decoration panel				BYCP125K-W1					
Sealing material of air discharge outlet				KDBH55K160F					
Panel spacer				KDBP55H160FA					
Fresh air intake kit[1]	Chamber type	Without T-joint pipe and fan		KDDP55B160					
		With T-joint pipe, without fan		KDDP55B160K					
	Direct installation type			KDDP55X160					
Chamber connection kit[2]				KKSJ55KA160					
Insulation kit for high humidity				KDTP55K80		KDTP55K160			
High-efficiency filter (including chamber)		(Colorimetric method 65%)		KAFP556B80		KAFP556B160			
		(Colorimetric method 90%)		KAFP557B80		KAFP557B160			
Replacement high-efficiency filter		(Colorimetric method 65%)		KAFP552B80		KAFP552B160			
		(Colorimetric method 90%)		KAFP553B80		KAFP553B160			
Filter chamber				KDDFP55B160					
Replacement long-life filter				KAFP551K160					
Ultra long-life filter				KAFP55B160					
Replacement ultra long-life filter				KAFP55H160H					
Branch duct chamber				KDJP55B80		KDJP55B160			
Remote controller	Wireless type		Cooling only	BRC7F633F					
			Heat pump	BRC7F632F					
	Wired type[3]			BRC1C61					
Navigation Remote Controller	Wired type[3]			BRC1E62					
Central remote controller[4]				DCS302CA61					
Unified ON/OFF controller[4]				DCS301BA61					
Schedule timer[4]				DST301BA61					
İntelligent Touch Controller[4]				DCS601C51					
Adaptor for wiring[5]				KRP1C63					
Wiring adaptor for electrical appendices[5]				KRP4AA53					
Installation box for adaptor PCB				KRP1H98					
Remote sensor (for indoor temperature)				KRCS01-4B					

Note: [1]Refer to page 12 for the details.
[2]Required for installing high-efficiency filter or ultra long-life filter.
[3]Wiring for wired remote controller to be procured locally.
[4]The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.
[5]Installation box for adaptor PCB (KRP1H98) is necessary.

Round flow type: List of optional parts required to achieve different flow patterns

For each flow pattern – all round, 4-way, 3-way, 2-way, branch duct connection – the compatibility of each independently installed option (shown in the column on the left) to accessory options (listed across the top of each table) is shown in the cells where the relevant row and column intersect.
A circle (○) indicates compatibility, and a cross (×) indicates incompatibility. Any options not shown below are not suitable for independent or accessory installation.

All round flow 4-way flow

Independently installable optional parts	Optional accessory parts	Panel spacer[1]	Wireless remote controller	Fresh air intake kit (Chamber type)[1,2]	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter[2]	Ultra-long-life filter[2]
Panel/grille related	Panel spacer[1]		○	○	○	×	○	○
Operation control related	Wireless remote controller	○		○	○	○	○	○
Auxillary function related	Fresh air intake kit (Chamber type)[1,2]	○	○		×	×	○	○
	Fresh air intake kit (direct mount)	○	○	×		○	○	○
	High-humidity operation kit	×	○	×	○		×	×
Filter related	High-efficiency filter[2]	○	○	○	○	×		×
	Ultra-long-life filter[2]	○	○	○	○	×	×	

3-way flow 2-way flow

Independently installable optional parts	Optional accessory parts	Panel spacer[1]	Wireless remote controller	Fresh air intake kit (Chamber type)[1,2]	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter[2]	Ultra-long-life filter[2]
Panel/grille related	Panel spacer[1]		○[3]	○[3]	○[3]	×	×	○[3]
Operation control related	Wireless remote controller	○[3]		○	○	○	×	○
Auxillary function related	Fresh air intake kit (Chamber type)[1,2]	○[3]	○		×	×	×	○
	Fresh air intake kit (direct mount)	○[3]	○	×		○	×	○
	High-humidity operation kit	×	○	×	○		×	×
Filter related	Ultra-long-life filter[2]	○[3]	○	○	○	×	×	

Branch duct connection

Independently installable optional parts	Optional accessory parts	Panel spacer[1]	Wireless remote controller	Fresh air intake kit (Chamber type)[1,2]	Fresh air intake kit (direct mount)	High-humidity operation kit	High-efficiency filter[2]	Ultra-long-life filter[2]
Branch duct[1] (Chamber type) (Round duct type)	1-way branch / unit 3-way flow	○	○	○	○[4]	×	×	○
	2-way branch / unit 2-way flow	×	○	○	○[4]	×	×	○
	1-way branch / unit 2-way flow	×	○	○	○[4]	×	×	○

[1]In some cases, depending on how the unit is embedded in the ceiling, use of branch ducts and fresh air intake kits may not be possible. Before starting installation work make sure to check whether or not joint installation is possible. In particular, ensure that the lower fixing position caused by the addition of panel spacers is acceptable.
[2]Use a chamber connection kit if two different types of optional chamber are used together. In this case, the fresh air intake kit must be installed in the upper position.
[3]It is not possible to use panel spacers in a 2-way flow installation.
[4]It is not possible to install a branch duct on the same side to which a fresh air intake kit (direct mount) is installed.

OPTIONS

Indoor unit

COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

Name of option	Remark		Kit name			
			FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
Decoration panel			BYFQ60B8W1/BYFQ60B3W1			
Remote controller	Wireless type	Cooling only	BRC7E531W			
		Heat pump	BRC7E530W			
	Wired type[1]		BRC1C61			
Navigation Remote Controller	Wired type[1]		BRC1E62			
Adaptor for wiring[2]			KRP1BA57			
Wiring adaptor for electrical appendices[2]			KRP4AA53			
Remote sensor (for indoor temperature)			KRCS01-1B			
Installation box for adaptor PCB			KRP1BA101			
Central remote controller[3]			DCS302CA61			
Unified ON/OFF controller[3]			DCS301BA61			
Schedule timer[3]			DST301BA61			
İntelligent Touch Controller[3]			DCS601C51			
Interface adaptor for SkyAir series			DTA112BA51			
Replacement long-life filter			KAFQ441BA60			
Fresh air intake kit	Direct installation type		KDDQ44XA60			
Sealing material of air discharge outlet			KDBH44BA60			
Panel spacer			KDBQ44BA60A			

Note: [1]Wiring for wired remote controller to be procured locally.
[2]Installation box for adaptor PCB (KRP1BA101) is necessary.
[3]This optional accessory requires DTA112BA51.

CEILING SUSPENDED TYPE

Name of option	Remark		Kit name						
			FHQ35BVV1B	FHQ50BVV1V	FHQ60BVV1V FHQ60BVV1G	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B	FHQ140CAVEB FHQ140CAVEA
Replacement long-life filter	Resin net		KAF501DA56	KAF501DA80			KAF501DA112	KAF501DA160	KAFP501A160
Fresh air intake kit			———						KDDQ50A140
Drain pump kit			KDU50N60VE	KDU50N125VE					KDU50P140VE
L-type piping kit (for upward direction)			KHFP5MA35	KHFP5MA160					KHFP5N160
Remote controller	Wireless type	Cooling only	BRC7EA66						BRC7GA56
		Heat pump	BRC7EA63A						BRC7GA53
	Wired type[1]		BRC1C61						
Navigation Remote Controller	Wired type[1]		BRC1E62						
Central remote controller			DCS302CA61[2]						DCS302CA61[3]
Unified ON/OFF controller			DCS301BA61[2]						DCS301BA61[3]
Schedule timer			DST301BA61[2]						DST301BA61[3]
İntelligent Touch Controller			DCS601C51[2]						DCS601C51[3]
Adaptor for wiring			KRP1BA54						
Wiring adaptor for electrical appendices[4]			KRP4AA52						
Interface adaptor for SkyAir series			DTA112BA51						———
Installation box for adaptor PCB			KRP1CA93						KRP1D93A
Remote sensor (for indoor temperature)			———	KRCS01-1B					KRCS01-4B
Electrical box with earth terminal (3 blocks)			———	KJB311AA					
Electrical box with earth terminal (2 blocks)			———	KJB212AA					

Note: [1]Wiring for wired remote controller to be procured locally.
[2]This optional accessory requires DTA112BA51.
[3]FHQ140CA is equipped standardly with the interface adaptor for SkyAir series. DTA112BA51 is unnecessary.
[4]Installation box for adaptor PCB is necessary.

CEILING MOUNTED SLIM DUCT TYPE

Name of option	Remark	Kit name			
		FDXS25CVMA	FDXS35CVMA	FDXS50CVMA	FDXS60CVMA
Wired remote controller[1]		BRC944B2			
Wired remote controller code	Length 3 m (shielded wire)	BRCW901A03			
	Length 8 m (shielded wire)	BRCW901A08			
5-room centralised controller[2]		KRC72A			
Adaptor PCB (normal open/normal open pulse contact)[3]		KRP413AB1S			
The remote controller loss prevention with the chain		KKF917A4			
Interface adaptor for DIII-NET use		KRP928BB2S			
Central remote controller[4]		DCS302CA61			
Unified ON/OFF controller[4]		DCS301BA61			
Schedule timer[4]		DST301BA61			
İntelligent Touch Controller[4]		DCS601C51			
Suction grille		KDGF19A45			
Insulation kit for high humidity		KDT25N50			KDT25N63

Note: [1]3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary .
[2]Adaptor PCB (KRP413AB1S) is also required for each indoor unit.
[3]Time clock and other devices should be obtained locally.
[4]This optional accessory requires KRP928BB2S.

Indoor unit

CEILING MOUNTED BUILT-IN TYPE

Name of option	Remark		Kit name		
			FBQ50BV1A	FBQ60BV1A	FBQ71BV1A
Service panel			KTB25KA56W	KTB25KA80W	
Air discharge adaptor			KDAJ25K56A	KDAJ25K71A	
Remote controller	Wireless type	Heat pump	BRC4C62		
	Wired type[1]		BRC1C61		
Navigation Remote Controller	Wired type[1]		BRC1E62		
Adaptor for wiring (interlock for fresh air intake fan)			KRP1BA54		
Wiring adaptor for electrical appendices			KRP4AA51		
Interface adaptor for SkyAir series			DTA112BA51		
Central remote controller[2]			DCS302CA61		
Unified ON/OFF controller[2]			DCS301BA61		
Schedule timer[2]			DST301BA61		
İntelligent Touch Controller[2]			DCS601C51		

Note: [1]Wiring for wired remote controller to be procured locally.
[2]This optional accessory requires DTA112BA51.

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

Name of option	Remark		Kit name					
			FBQ50DV1V	FBQ60DV1V FBQ60DV1	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1
High-efficiency filter[1]	65%		KAF372AA80			KAF372AA160		
	90%		KAF373AA80			KAF373AA160		
Filter chamber			KDDF37AA80			KDDF37AA160		
Replacement long life filter			KAF371AA80			KAF371AA160		
Replacement long life filter chamber kit			KAF375AA80			KAF375AA160		
Service panel			KTB25KA80W			KTB25KA160W		
			KTBJ25K80F			KTBJ25K160F		
			KTBJ25K80T			KTBJ25K160T		
Air discharge adaptor			KDAJ25K71A			KDAJ25K140A		
Remote controller	Wireless type	Cooling only	BRC4C64					
		Heat pump	BRC4C62					
	Wired type[2]		BRC1C61					
Navigation Remote Controller	Wired type[2]		BRC1E62					
Adaptor for wiring (interlock for fresh air intake fan)			KRP1C64 ★					
Wiring adaptor for electrical appendices			KRP4AA51 ★					
Remote sensor			KRCS01-4B					
Mounting plate for adaptor PCB.[4]			KRP4A96 [5,6]					
Central remote controller[3]			DCS302CA61					
Unified ON/OFF controller[3]			DCS301BA61					
Schedule timer[3]			DST301BA61					
İntelligent Touch Controller[3]			DCS601C51					

Note: [1]If installing a high efficiency filter on the unit, an assembly chamber for either bottom or rear suction is required.
[2]Wiring for wired remote controller to be procured locally.
[3]The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.
[4]Mounting plate for adaptor PCB is necessary for each adaptor marked ★.
[5]Up to 2 adaptors can be fixed for each mounting plate.
[6]Only one mounting plate can be installed for each indoor unit.

FLOOR STANDING TYPE

Name of option	Remark	Kit name					
		FVQ50CVE	FVQ60CVE	FVQ71CVEB	FVQ100CVEB	FVQ125CVEB	FVQ140CVEB
Replacement long-life filter		KAFJ95L160					
Remote controller	Wired type[1]	BRC1C61					
Navigation Remote Controller	Wired type[1]	BRC1E62					
Central remote controller[2]		DCS302CA61					
Unified ON/OFF controller[2]		DCS301BA61					
Schedule timer[2]		DST301BA61					
İntelligent Touch Controller[2]		DCS601C51					
Adaptor for wiring[3]		KRP1BA57					
Wiring adaptor for electrical appendices		KRP4AA52					
Installation box for adaptor PCB		KRP4AA95					

Note: [1]Wiring for wired remote controller to be procured locally.
[2]The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.
[3]Installation box for adaptor PCB (KRP4AA95) is necessary.

OPTIONS

Outdoor unit

Name of option		Kit name					
		Cooling only					
		RZR50LUV1V / RZR50LVVM	RZR60LUV1V / RZR60LVVM	RZR71LVVM	RZR100LVVM	RZR125LVVM	RZR140LVVM
Central drain plug		KKP014A4			KKPJ5G280	KKPJ5F180	
Wire fixture for preventing overturning		———			———	K-KYZP15C	
Fixture for preventing overturning		———			KKTP5B112	KPT-60B160	
Demand adaptor		———			KRP58M51		
Refrigerant branch piping kit	For twin multi	———				KHRP58P216T	

Name of option		Kit name		
		Cooling only		
		RZR100LUY1	RZR125LUY1	RZR140LUY1
Central drain plug		KKPJ5F180		
Wire fixture for preventing overturning		K-KYZP15C		
Fixture for preventing overturning		KPT-60B160		
Demand adaptor		KRP58M51		
Refrigerant branch piping kit	For twin multi	———	KHRP58P216T	

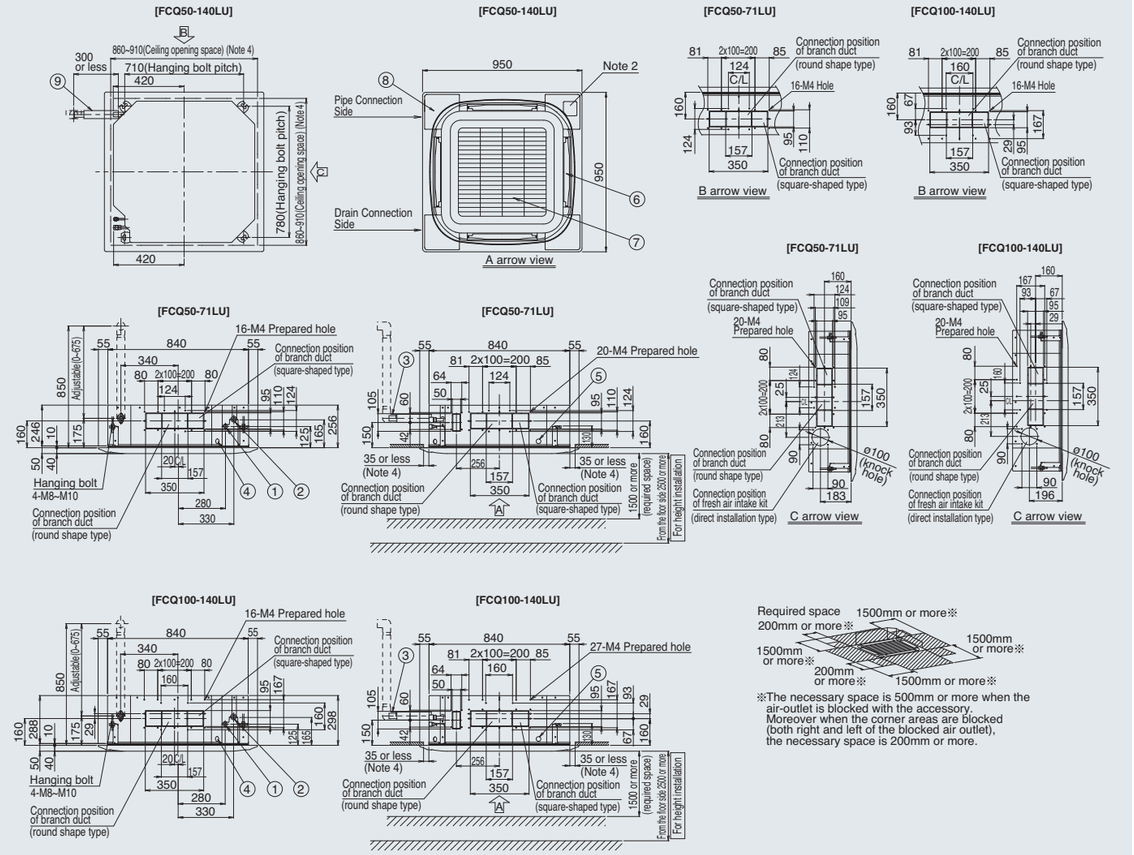
Name of option	Remark	Kit name			
		Cooling only			
		RKS25AVMG	RKS35AVMG	RKS50AVMG	RKS60AVMG
Air direction adjustment grille		KPW937A4		KPW945A4	
Drain plug	One set includes 5 pieces for 5 units	KKP937A4			

Name of option		Kit name					
		Heat pump					
		RZQ50KBV1V / RZQ50KBV4A	RZQ60KBV1V / RZQ60KBV4A	RZQ71KCV4A	RZQ100KCV4A / RZQ100HAY4A	RZQ125KCV4A / RZQ125HAY4A	RZQ140KCV4A / RZQ140HAY4A
Central drain plug		KKPJ5F180					
Wire fixture for preventing overturning		K-KYZP15C					
Fixture for preventing overturning		KPT-60B160					
Demand adaptor		KRP58M51					

Name of option	Remark	Kit name				
		Heat pump				
		RXS25EBVMA	RXS35EBVMA	RXS50FVMA / RXS50FAVMA	RXS60FVMA	RXS71FVMA
Air direction adjustment grille		KPW937A4		KPW945A4		
Drain plug	One set includes 5 pieces for 5 units	KKP937A4				KKP945A4

DIMENSIONS (Unit: mm)

CEILING MOUNTED CASSETTE TYPE

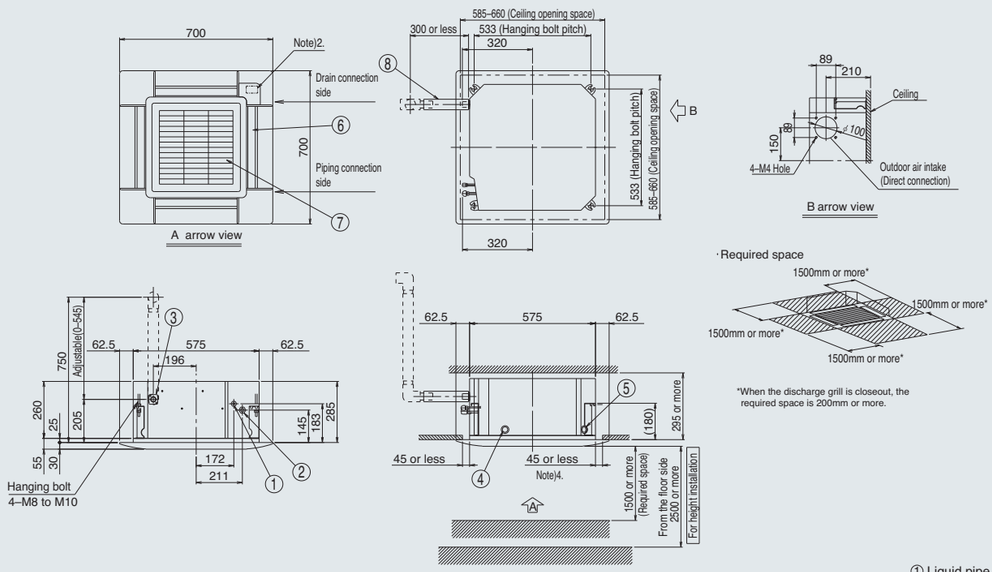

[FCQ50-140LU]
[FCQ50-140LU]
[FCQ50-71LU]
[FCQ100-140LU]
B arrow view
A arrow view
C arrow view
[FCQ50-71LU]
[FCQ50-71LU]
[FCQ100-140LU]
[FCQ100-140LU]
16-M4 Prepared hole
20-M4 Prepared hole
27-M4 Prepared hole
Connection position of branch duct (square-shaped type)
Connection position of branch duct (round shape type)
Hanging bolt 4-M8–M10
Adjustable(0–675)
860–910(Ceiling opening space) (Note 4)
710(Hanging bolt pitch)
780(Hanging bolt pitch)
Pipe Connection Side
Drain Connection Side
Note 2
Connection position of branch duct (round shape type)
Connection position of branch duct (square-shaped type)
Connection position of fresh air intake kit (direct installation type)
ø100 (knock hole)
35 or less (Note 4)
150 or more (repaired space)
For height installation
Required space
1500mm or more※
200mm or more※
※The necessary space is 500mm or more when the air-outlet is blocked with the accessory. Moreover when the corner areas are blocked (both right and left of the blocked air outlet), the necessary space is 200mm or more.

Notes:
[1] Sticking location for manufacture's label
manufacture's label for indoor unit:
Suction grille inner side's electric components box's lid surface
manufacture's label for decoration panel :
Decoration panel's corner decoration cover inner surface
[2] In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
[3] When the temperature and humidity in the ceiling exceed 30˚C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polyethylene form) is required.
[4] Though the installation is acceptable up to maximum of 910mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and the ceiling opening so that the panel overlap allowance can be ensured.
[5] Please do not place the thing been damp and troubled under an indoor unit.
When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

① Liquid pipe connection
② Gas pipe connection
③ Drain pipe connection
④ Transmission wiring connection
⑤ Remote controller wiring connection
⑥ Air-outlet
⑦ Suction grille
⑧ Corner decoration cover
⑨ Drain hose (accessory)

DIMENSIONS (Unit: mm)

COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE



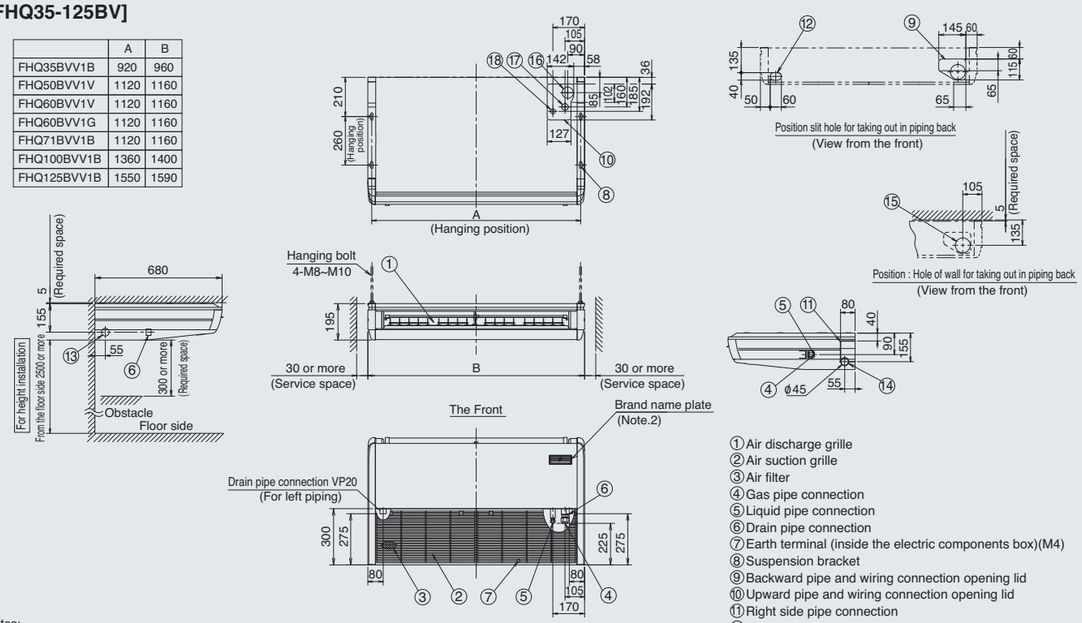
Notes:
[1]Sticking location for manufacture's label
manufacture's label for indoor unit : on the bell mouth inside suction grille
manufacture's label for decoration panel : on the inner frame inside suction grille
[2]In case of using wireless remote controller, this position will be a signal receiver.
refer to the drawing of wireless remote controller in detail.
[3]When the temperature and humidity in the ceiling exceed 30˚C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polyethylene form) is required.
[4]Though the installation is acceptable up to maximum of 660mm square ceiling opening, keep the clearance of 45mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

① Liquid pipe connection
② Gas pipe connection
③ Drain pipe connection
④ Power supply connection
⑤ Remote control code and control wiring connection
⑥ Air discharge grille
⑦ Suction grille
⑧ Drain hose

CEILING SUSPENDED TYPE

[FHQ35-125BV]

	A	B
FHQ35BVV1B	920	960
FHQ50BVV1V	1120	1160
FHQ60BVV1V	1120	1160
FHQ60BVV1G	1120	1160
FHQ71BVV1B	1120	1160
FHQ100BVV1B	1360	1400
FHQ125BVV1B	1550	1590

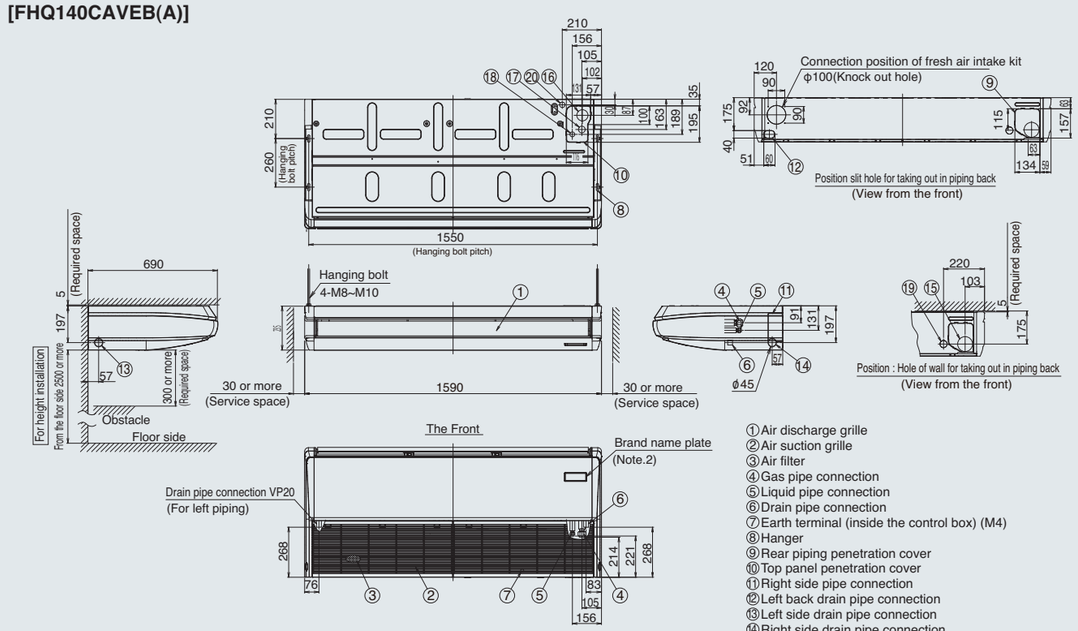


Notes:
[1] Location of unit's Name Plate: Bottom of fan housing inside the suction grille.
[2] In case of using wireless remote controller, this position will be a signal receiver.
Refer to the drawing of wireless remote controller in detail.
[3] (Applies to FHQ35-71BV only)
The remote control code is the standard <about 3 m outside the machine> attached.
(0.5 mm² × 2 wicks× O.D.ϕ5.4)
(It is not attached to VRV.)

① Air discharge grille
② Air suction grille
③ Air filter
④ Gas pipe connection
⑤ Liquid pipe connection
⑥ Drain pipe connection
⑦ Earth terminal (inside the electric components box)(M4)
⑧ Suspension bracket
⑨ Backward pipe and wiring connection opening lid
⑩ Upward pipe and wiring connection opening lid
⑪ Right side pipe connection
⑫ Left back drain pipe connection
⑬ Left side drain pipe connection
⑭ Right side drain pipe connection
⑮ Hole of wall for taking out in piping back
⑯ Upward drain pipe connection
⑰ Upward gas pipe connection
⑱ Upward liquid pipe connection

CEILING SUSPENDED TYPE

[FHQ140CAVEB(A)]

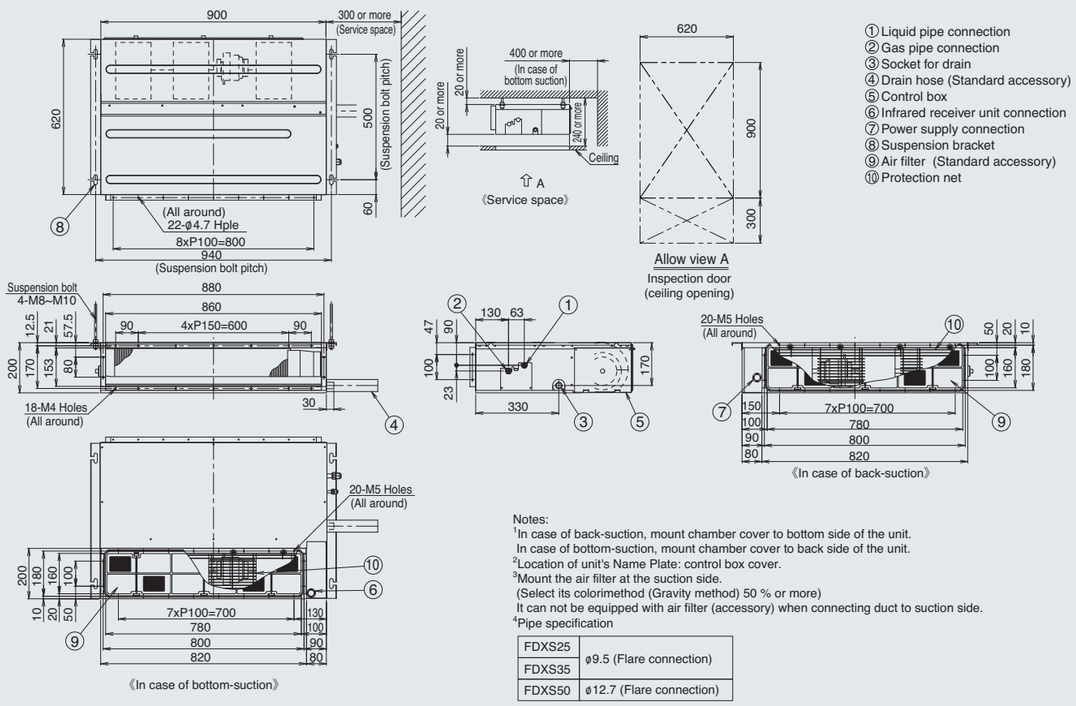


Notes:
[1] Location of unit's Name Plate: Bottom of fan housing inside the suction grille.
[2] In case of using wireless remote controller, this position will be a signal receiver.
Refer to the drawing of wireless remote controller in detail.
[3] Please do not place the thing been damp and troubled under an indoor unit.
When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

①Air discharge grille
②Air suction grille
③Air filter
④Gas pipe connection
⑤Liquid pipe connection
⑥Drain pipe connection
⑦Earth terminal (inside the control box) (M4)
⑧Hanger
⑨Rear piping penetration cover
⑩Top panel penetration cover
⑪Right side pipe connection
⑫Left back drain pipe connection
⑬Left side drain pipe connection
⑭Right side drain pipe connection
⑮Hole of wall for taking out in piping back
⑯Upward drain pipe connection
⑰Upward gas pipe connection
⑱Upward liquid pipe connection
⑲Power supply wiring and a unit wiring back connection
⑳Power supply wiring and a unit wiring upper connection

CEILING MOUNTED SLIM DUCT TYPE

[FDXS25-50CVMA]



①Liquid pipe connection
②Gas pipe connection
③Socket for drain
④Drain hose (Standard accessory)
⑤Control box
⑥Infrared receiver unit connection
⑦Power supply connection
⑧Suspension bracket
⑨Air filter (Standard accessory)
⑩Protection net

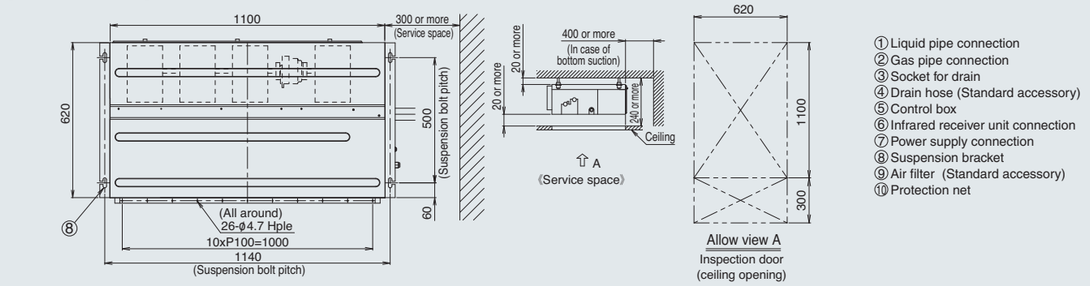
Notes:
[1]In case of back-suction, mount chamber cover to bottom side of the unit.
In case of bottom-suction, mount chamber cover to back side of the unit.
[2]Location of unit's Name Plate: control box cover.
[3]Mount the air filter at the suction side.
(Select its colorimethod (Gravity method) 50 % or more)
It can not be equipped with air filter (accessory) when connecting duct to suction side.
[4]Pipe specification

FDXS25	ø9.5 (Flare connection)
FDXS35	
FDXS50	ø12.7 (Flare connection)

DIMENSIONS (Unit: mm)

CEILING MOUNTED SLIM DUCT TYPE

[FDXS60CVMA]

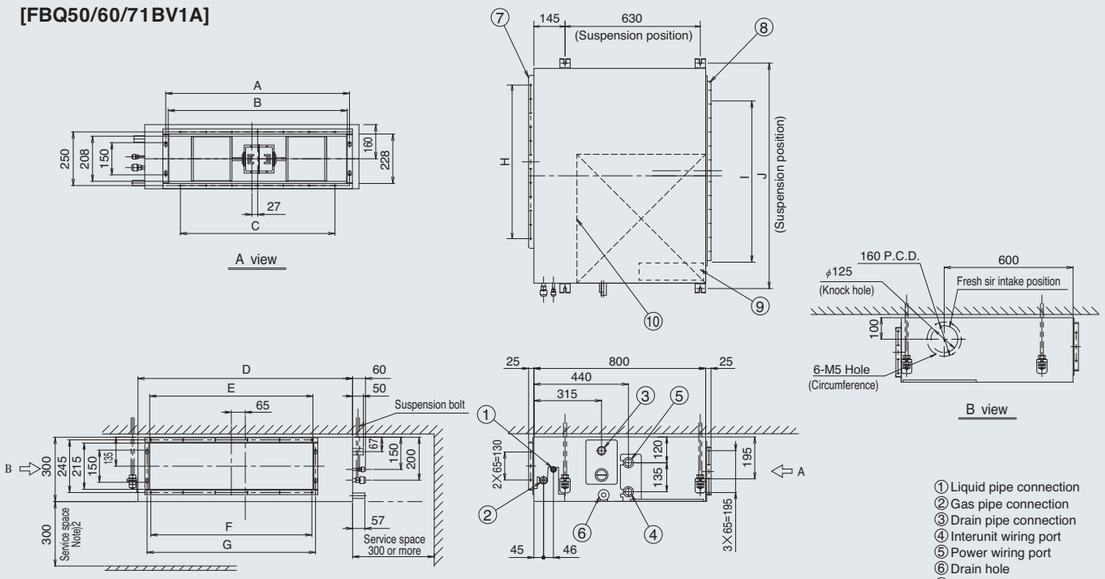


① Liquid pipe connection
② Gas pipe connection
③ Socket for drain
④ Drain hose (Standard accessory)
⑤ Control box
⑥ Infrared receiver unit connection
⑦ Power supply connection
⑧ Suspension bracket
⑨ Air filter (Standard accessory)
⑩ Protection net

Notes:
[1]In case of back-suction, mount chamber cover to bottom side of the unit.
In case of bottom-suction, mount chamber cover to back side of the unit.
[2]Location of unit's Name Plate: control box cover.
[3]Mount the air filter at the suction side.
(Select its colorimethod (Gravity method) 50 % or more)
It can not be equipped with air filter (accessory) when connecting duct to suction side.

CEILING MOUNTED BUILT-IN TYPE

[FBQ50/60/71BV1A]



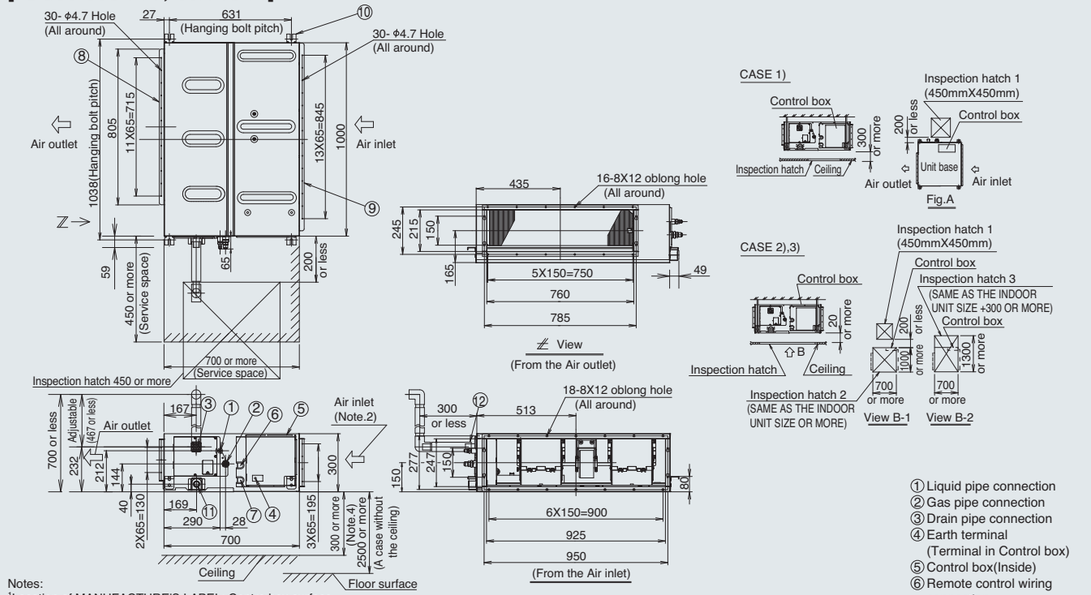
① Liquid pipe connection
② Gas pipe connection
③ Drain pipe connection
④ Interunit wiring port
⑤ Power wiring port
⑥ Drain hole
⑦ Discharge flange
⑧ suction flange
⑨ Switch box
⑩ Inspection hole

Notes:
[1]Location of unit's Name Plate: Fan hosing surface.
[2]If the ceiling is not removable, a 300 mm service space must be kept between the unit and the ceiling.
[3]Mount the air filter at the suction side.
(Select its colorimethod (Gravity method) 50 % or more)

	A	B	C	D	E	F	G	H	I	J
FBQ50BV1A	556	533	4X120=480	700	460	3X150=450	485	6X65=390	7X65=455	750
FBQ60/71BV1A	856	833	6X120=720	1000	760	5X150=750	785	11X65=715	12X65=780	1050

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ50/60DV1V, 60/71DV1]



① Liquid pipe connection
② Gas pipe connection
③ Drain pipe connection
④ Earth terminal
(Terminal in Control box)
⑤ Control box(Inside)
⑥ Remote control wiring connection
⑦ Power supply wiring and a transmission wiring
⑧ Air discharge flange
⑨ Air suction flange
⑩ Hanger
⑪ Socket (for maintenance)
⑫ Drain hose(Accessory)

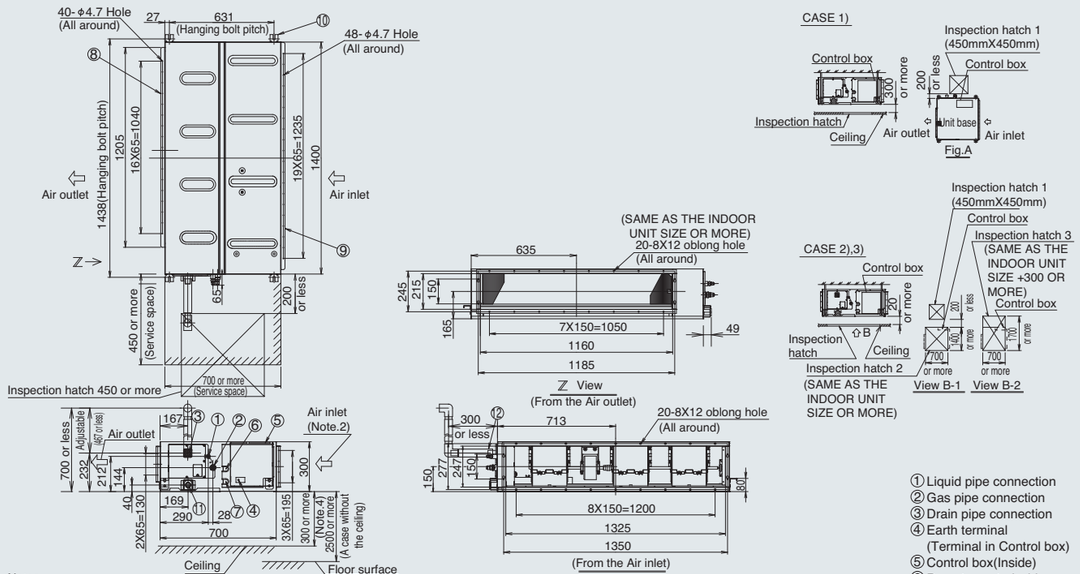
Notes:
[1]Location of MANUFACTURE'S LABEL: Contro box surface
[2]Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more.)
[3]Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80%,or a drain gets stuck,or air filters are not clean.
[4]Space for Service Works

According to any one of below 1)~3),secure a space for service works,such as,checking and maintenance of control box,etc.

1)One inspection hatch (450X450) on the control box side and a space of 300mm or more under the unit.(Fig.A)
2)One inspection hatch (450X450) on the control box side and 2 (two) inspection hatches under the unit.(Arrow View B-1)
3)3 (three) inspection hatches under the unit and the control box.(Arrow View B-2)

DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

[FBQ100/125/140DV1]



① Liquid pipe connection
② Gas pipe connection
③ Drain pipe connection
④ Earth terminal
(Terminal in Control box)
⑤ Control box(Inside)
⑥ Remote control wiring connection
⑦ Power supply wiring and a transmission wiring
⑧ Air discharge flange
⑨ Air suction flange
⑩ Hanger
⑪ Socket (for maintenance)
⑫ Drain hose(Accessory)

Notes:
[1]Location of MANUFACTURE'S LABEL: Control box surface
[2]Mount the air filter at the suction side.(Select its colorimethod (gravity method) 50% or more.
[3]Do not locate things should not be wet under the indoor unit.Dews may drop when humidity reaches over 80%,or a drain gets stuck,or air filters are not clean.
[4]Space for Service Works

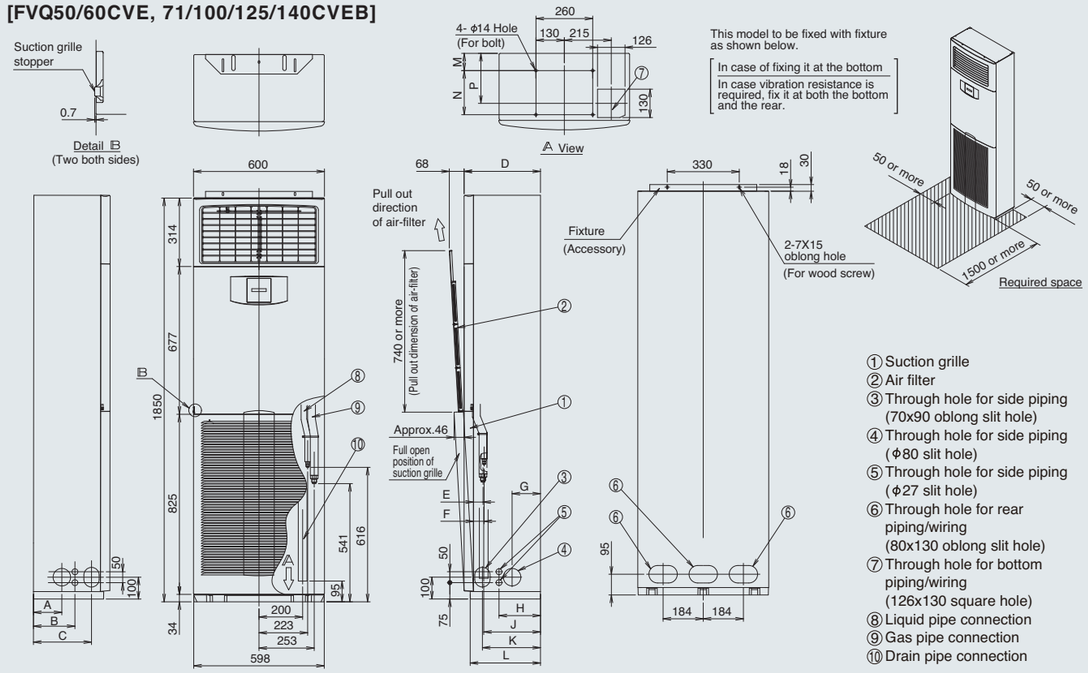
According to any one of below 1)~3),secure a space for service works,such as,checking and maintenance of control box,etc.

1)One inspection hatch (450X450) on the control box side and a space of 300mm or more under the unit.(Fig.A)
2)One inspection hatch (450X450) on the control box side and 2 (two) inspection hatches under the unit.(Arrow View B-1)
3)3 (three) inspection hatches under the unit and the control box.(Arrow View B-2)

DIMENSIONS (Unit: mm)

FLOOR STANDING TYPE

[FVQ50/60CVE, 71/100/125/140CVEB]

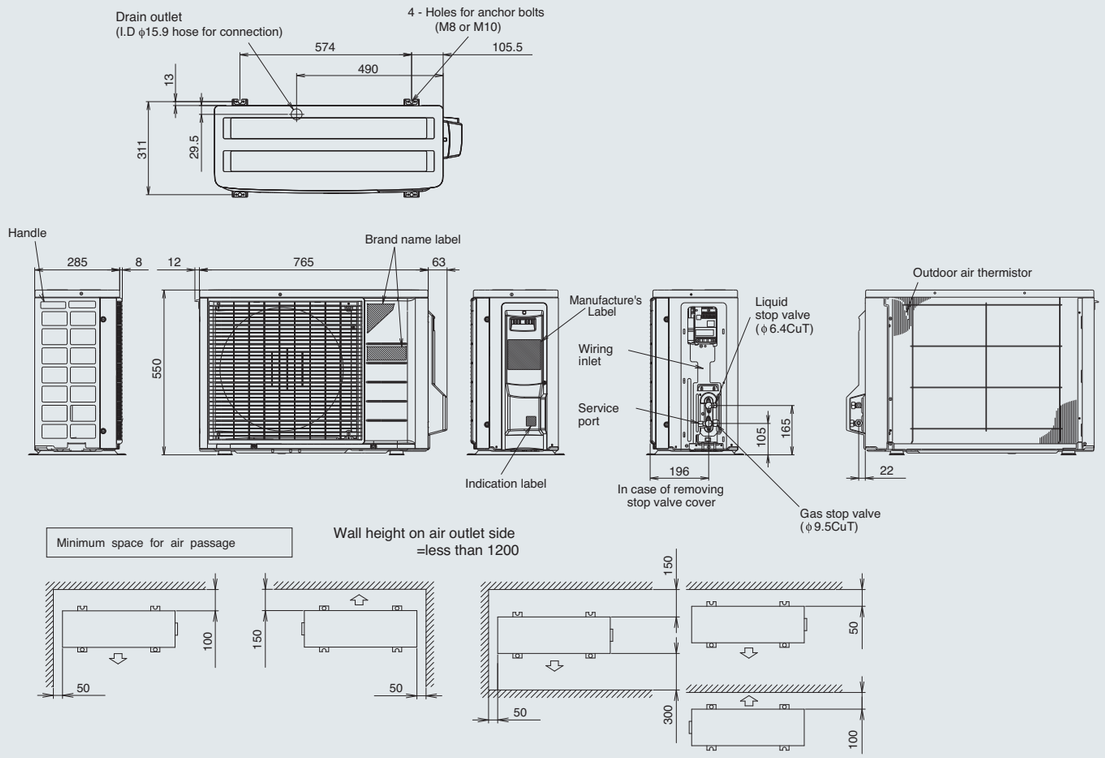


① Suction grille
② Air filter
③ Through hole for side piping (70x90 oblong slit hole)
④ Through hole for side piping (φ80 slit hole)
⑤ Through hole for side piping (φ27 slit hole)
⑥ Through hole for rear piping/wiring (80x130 oblong slit hole)
⑦ Through hole for bottom piping/wiring (126x130 square hole)
⑧ Liquid pipe connection
⑨ Gas pipe connection
⑩ Drain pipe connection

	A	B	C	D	E	F	G	H	J	K	L	M	N	P
FVQ50/60CVE, 71CVEB	50	110	186	270	45	50	50	110	180	186	242	57	144	149
FVQ100/125/140CVEB	130	190	266	350	44	49	130	190	260	266	322	79	202	229

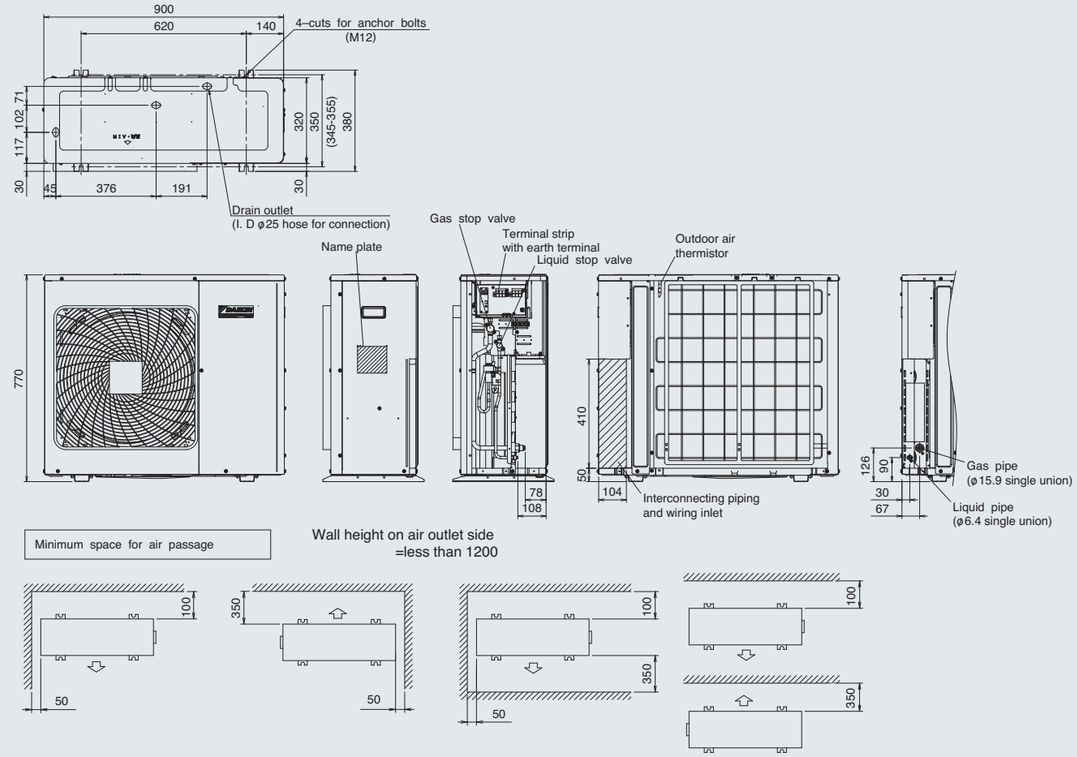
Notes:
[1]Sticking location for manufacturer's label: on the surface of cover of switch box inside the suction grille.

OUTDOOR UNIT // RKS25/35AVMG, RXS25/35EBVMA



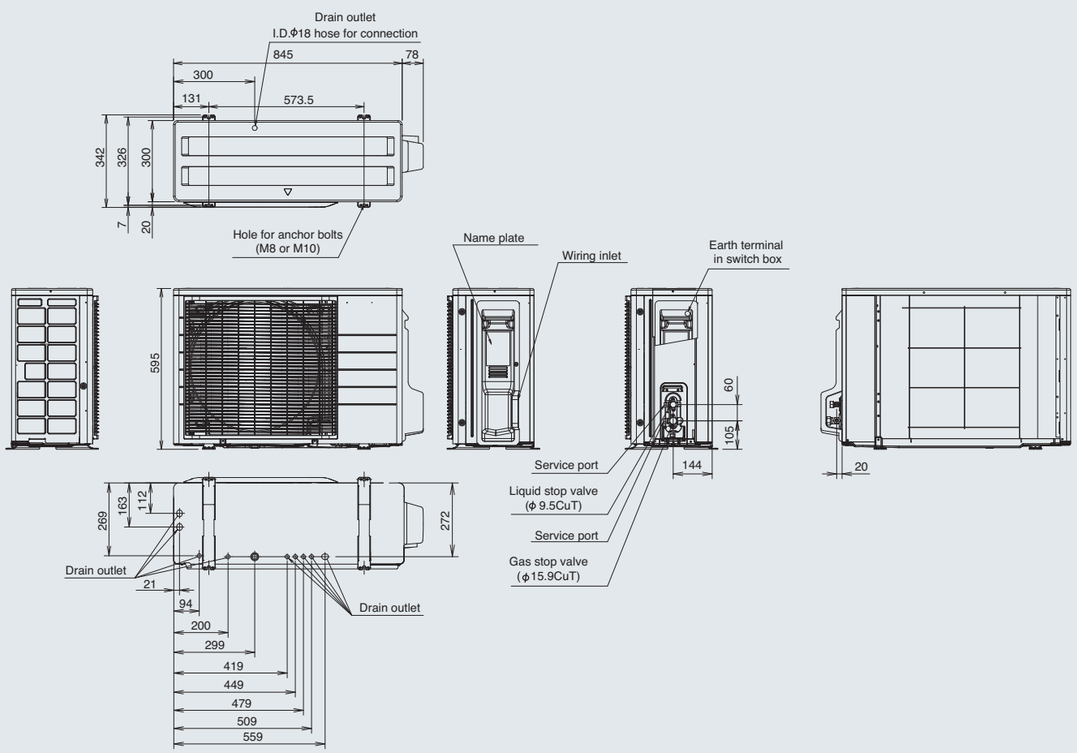
OUTDOOR UNIT // RKS50/60AVMG, RXS50FAVMA, RXS50/60FVMA

OUTDOOR UNIT // RXS71FVMA

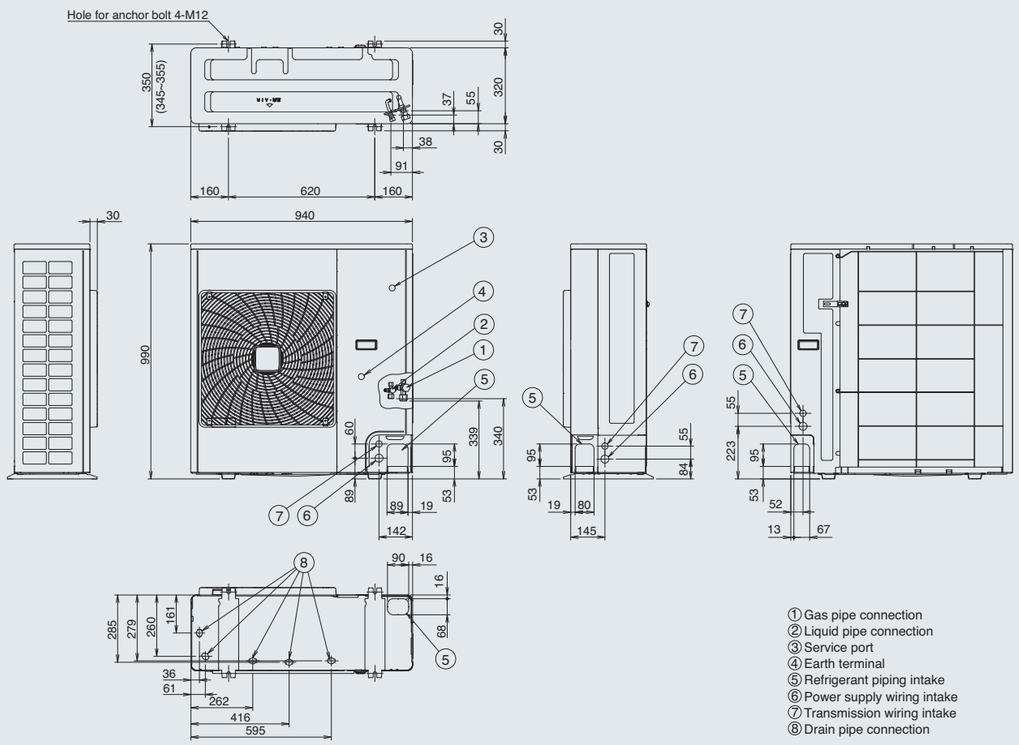


DIMENSIONS (Unit: mm)

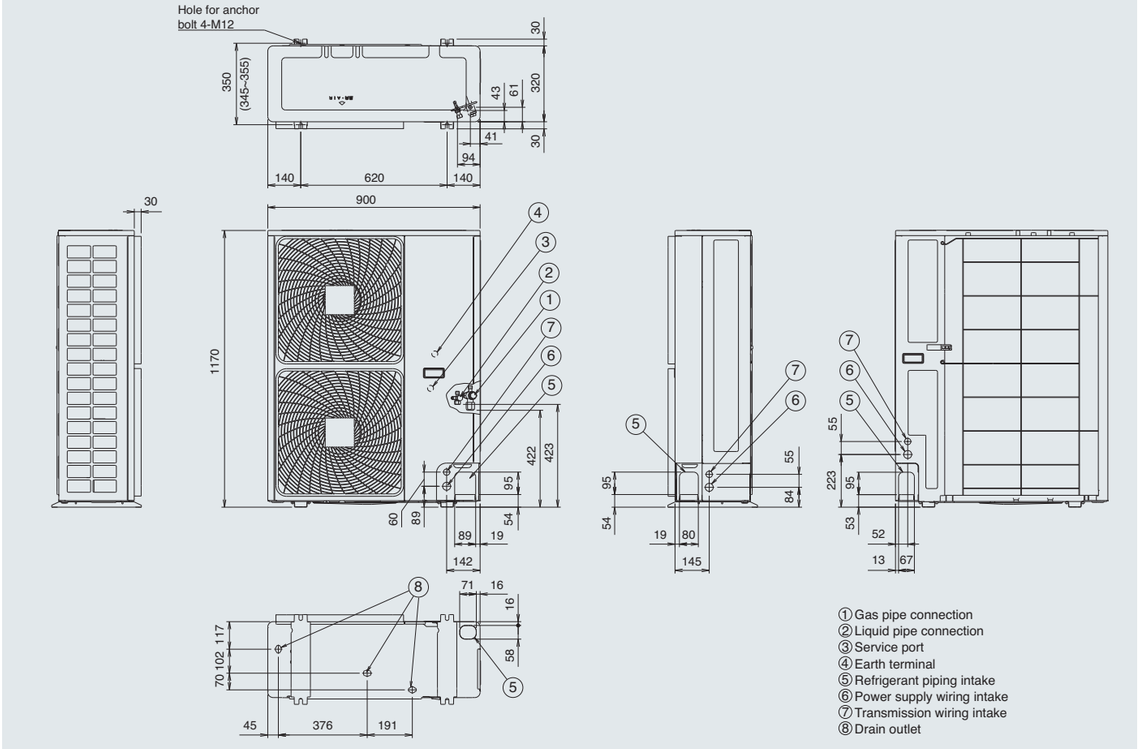
OUTDOOR UNIT // RZR50/60LUV1V, RZR50/60/71LVVM



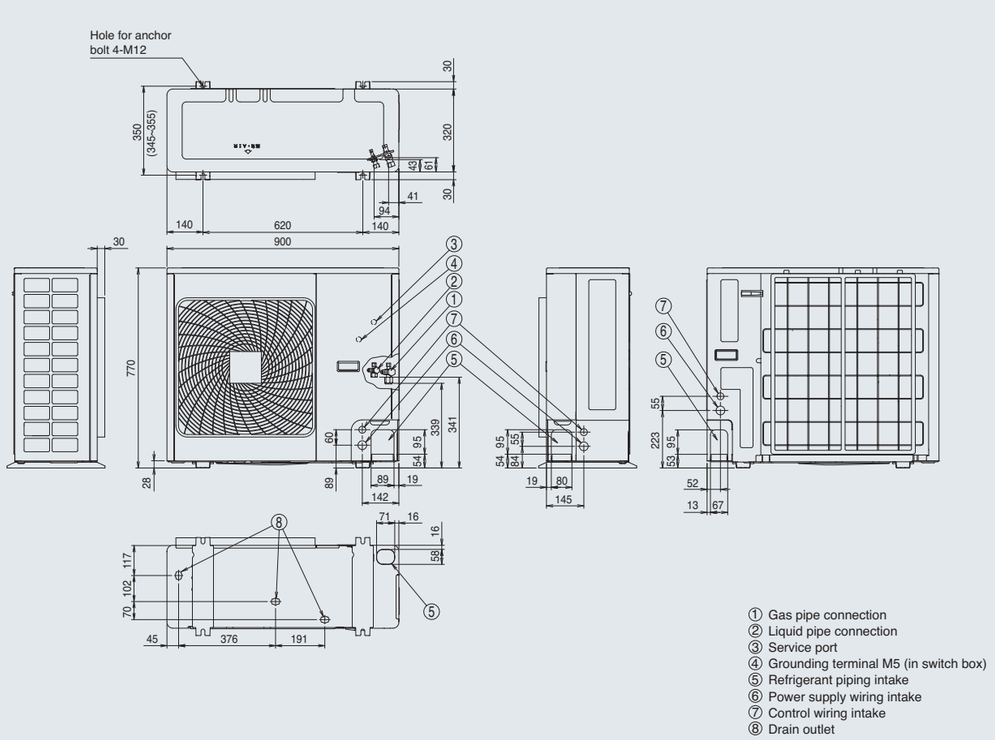
OUTDOOR UNIT // RZR100LVVM



OUTDOOR UNIT // RZR125/140LVVM, RZR100/125/140LUY1

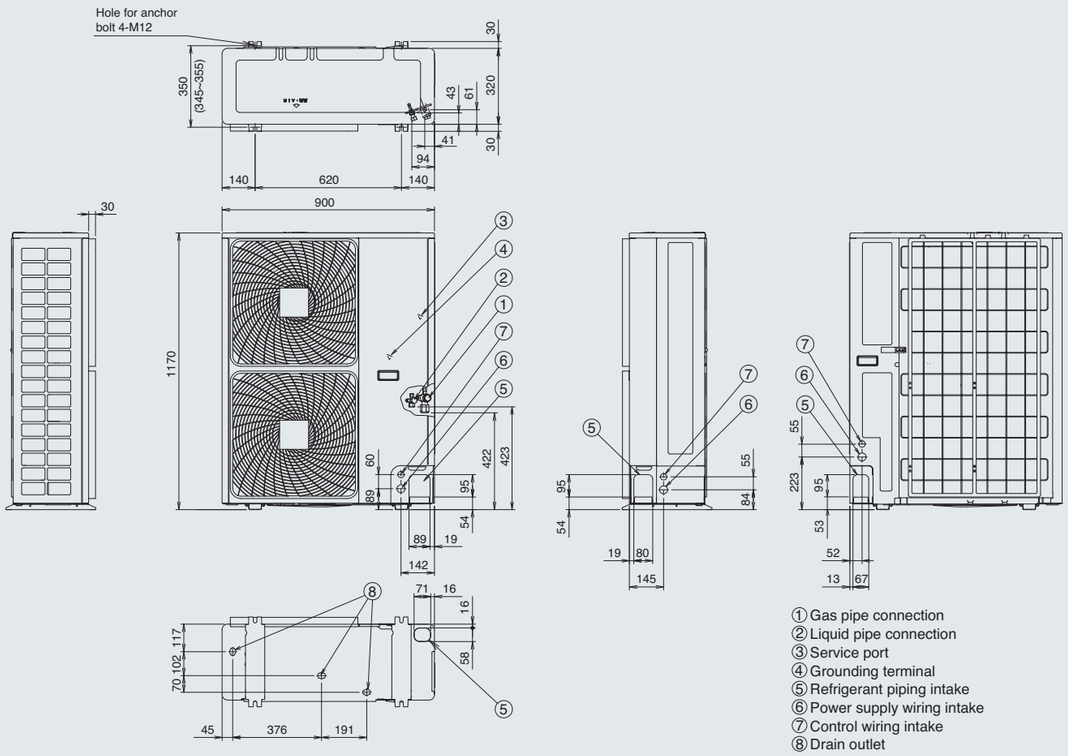


OUTDOOR UNIT // RZQ50/60KBV1V, RZQ50/60KBV4A, RZQ71KCV4A

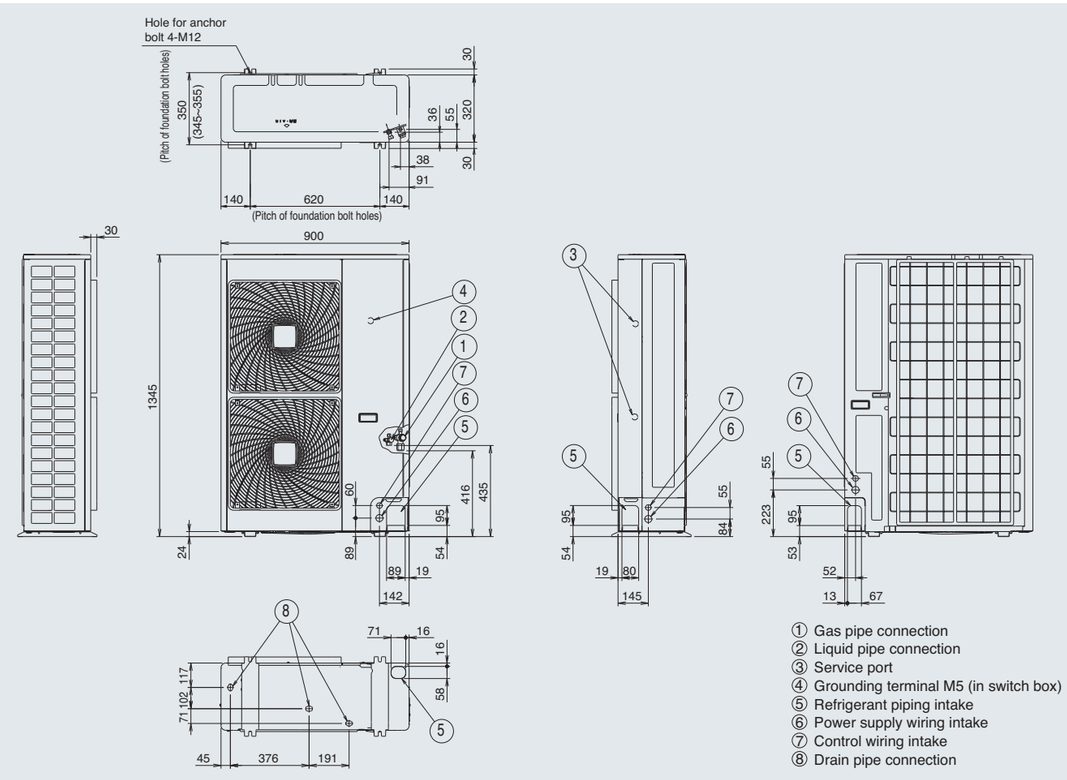


DIMENSIONS (Unit: mm)

OUTDOOR UNIT // RZQ100/125/140KCV4A



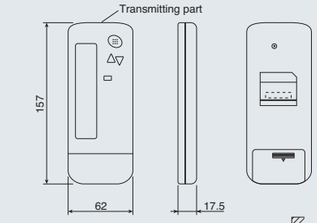
OUTDOOR UNIT // RZQ100/125/140HAY4A


Hole for anchor bolt 4-M12
(Pitch of foundation bolt holes)
① Gas pipe connection
② Liquid pipe connection
③ Service port
④ Grounding terminal M5 (in switch box)
⑤ Refrigerant piping intake
⑥ Power supply wiring intake
⑦ Control wiring intake
⑧ Drain pipe connection

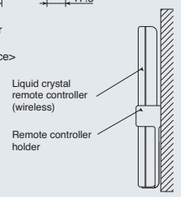
REMOTE CONTROLLER

《Wireless type》

· Remote controller dimensions

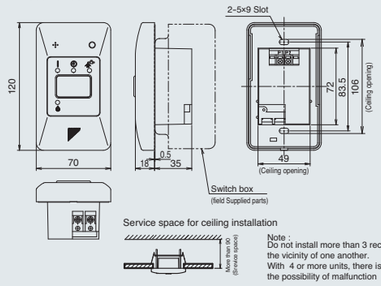


· Remote controller holder installation procedure <installation to wall surface>



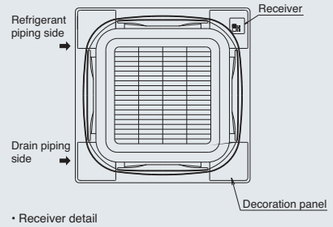
CEILING MOUNTED BUILT-IN TYPE
DUCT CONNECTION MIDDLE and HIGH STATIC PRESSURE TYPE

· Receiver detail



CEILING MOUNTED CASSETTE TYPE <Round Flow>

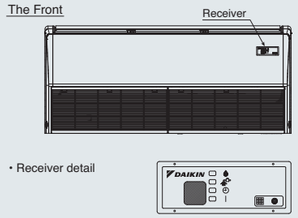
• Receiver installation procedure



• Receiver detail

CEILING SUSPENDED TYPE

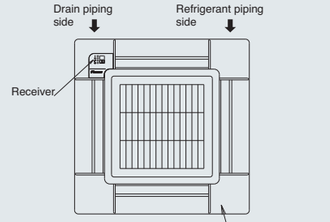
• Receiver installation procedure



• Receiver detail

COMPACT MULTI FLOW CEILING MOUNTED CASSETTE TYPE

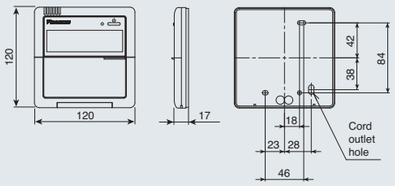
• Receiver installation procedure



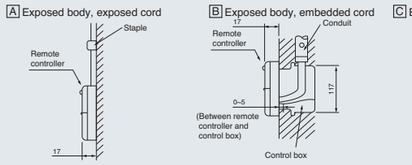
• Receiver detail

《Wired type》 · Remote controller dimensions

BRC1C61



· Installation method

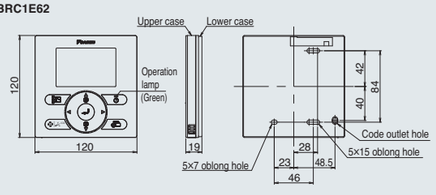


Specifications of cord

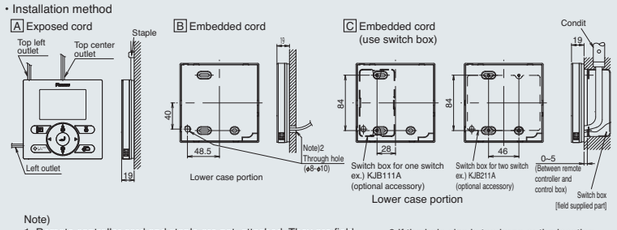
Type *	Shield wire (insulated thickness: 1 mm or more)
Size	0.75~1.25 mm²
Total length	500 m

Note)
1. Remote controller cord and staple are not attached.
They are field supplied parts.

BRC1E62



· Installation method



Note)
1. Remote controller cord and staple are not attached. They are field supplied parts.

2.If the hole size is too large or the location is not proper, the hole may come out from the remote controller.

Specifications of cord

Type	Vinyl cord with sheath or cable (insulated thickness: 1mm or more)
Size	0.75~1.25 mm²
Total length	500 m

Installation service space for outdoor unit

For RZR50/60LU/LV, 70-140LVVM, RZR100-140LUY1

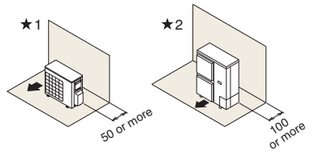
★1.RZR50/60LU/LV, RZR71LVVM ★2.RZR100-140LVVM, RZR100-140LUY1

1 When there is an obstruction on the inlet side

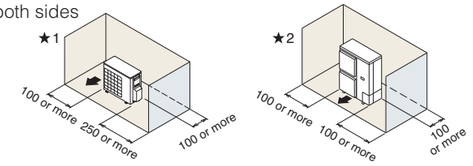
1) When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

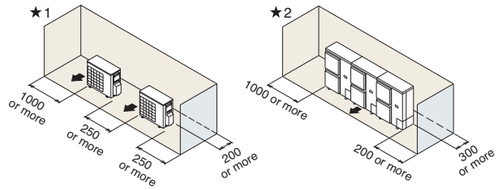


When there are obstructions on both sides



2. For series installation (more than two units)

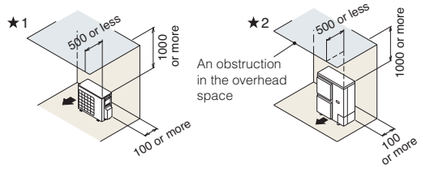
When there are obstructions on both sides



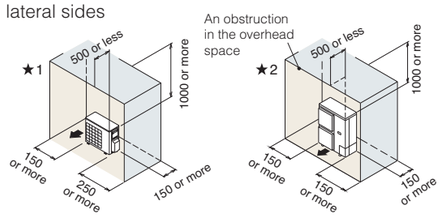
2) When there is an obstruction in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

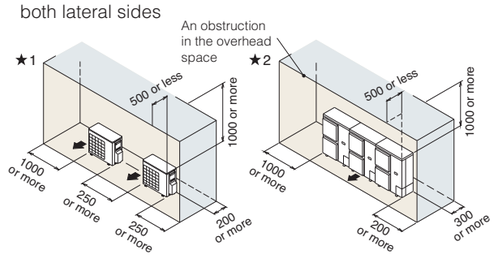


When there are obstructions on the inlet side and both lateral sides



2. For series installation (more than two units)

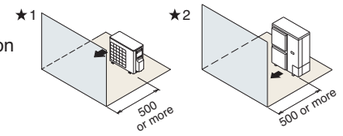
When there are obstructions on the inlet side and both lateral sides



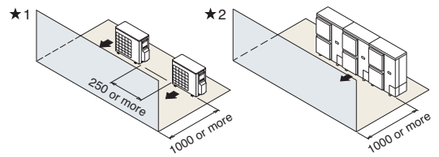
2 When there is an obstruction on the outlet side

1) When the overhead space is open

1. For single unit installation

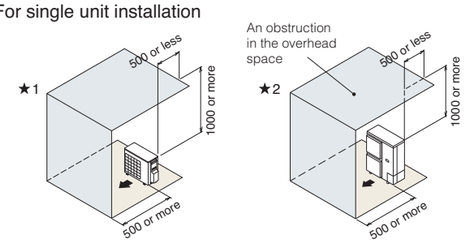


2. For series installation (more than two units)

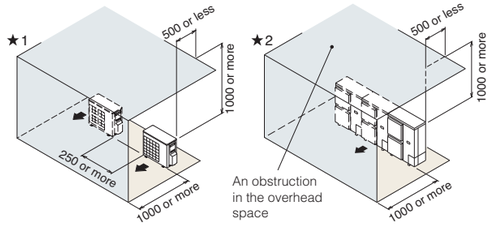


2) When there is an obstruction in the overhead space

1. For single unit installation



2. For series installation (more than two units)



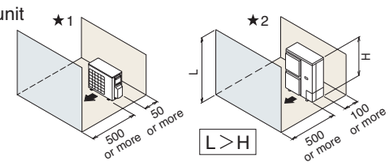
3 When there are obstructions on both the inlet and outlet sides

(When the obstruction on the outlet side is higher than the unit itself)

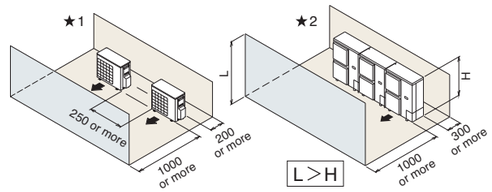
1) When the overhead space is open

(There is no limit to the height of the obstruction on the outlet side.)

1. For single unit installation



2. For series installation (more than two units)



 Note : As for other patterns of installation, please refer to Installation manual or Engineering Data Book.

For RZQ50/60KBV1V/V4A, RZQ71-140KCV4A, RZQ100-140HAY4A

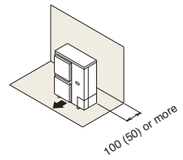
The values represent the case for the RZQ100-140KCV4A and RZQ100-140HAY4A. The dimensions in ( ) are for the RZQ50/60KB and RZQ71KCV4A (The unit values is mm.)

1 When there is an obstruction on the inlet side

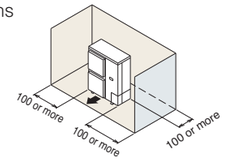
1) When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

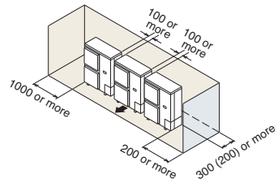


When there are obstructions on both sides



2. For multiple units installation (more than two units)

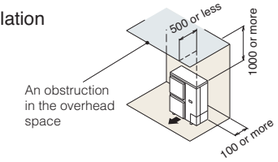
When there are obstructions on both sides



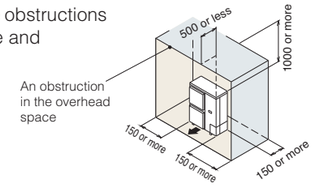
2) When there is an obstruction in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

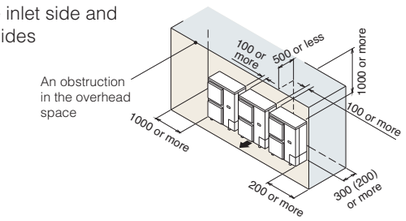


When there are obstructions on the inlet side and both sides



2. For multiple units installation (more than two units)

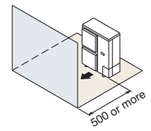
When there are obstructions on the inlet side and both sides



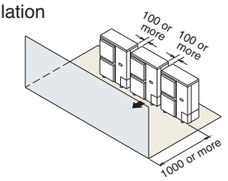
2 When there is an obstruction on the outlet side

1) When the overhead space is open

1. For single unit installation

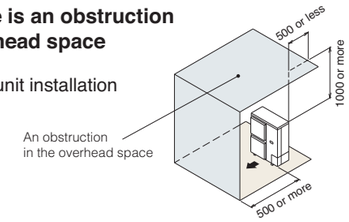


2. For multiple units installation (more than two units)

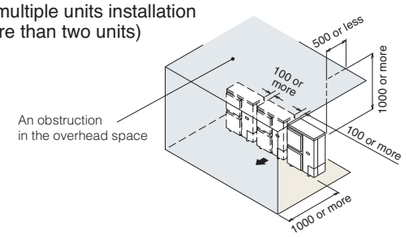


2) When there is an obstruction in the overhead space

1. For single unit installation



2. For multiple units installation (more than two units)



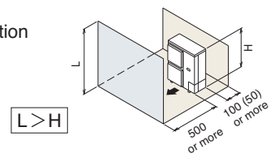
3 When there are obstructions on both the inlet and outlet sides

(When the obstruction on the outlet side is higher than the unit itself)

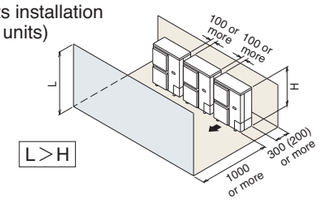
1) When the overhead space is open

(There is no limit to the height of the obstruction on the outlet side.)

1. For single unit installation



2. For multiple units installation (more than two units)



Note : As for other patterns of installation, please refer to Installation manual or Engineering Data Book.

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